

INFORMATION CIRCULAR 16

Pennsylvania Geological Survey

Fourth Series



CATALOGUE OF DEEP WELL SAMPLES

AND

GEOPHYSICAL LOGS

TO

JANUARY 1, 1959

By

W. R. Wagner



COMMONWEALTH OF PENNSYLVANIA

DEPARTMENT OF INTERNAL AFFAIRS

Genevieve Blatt, Secretary

TOPOGRAPHIC AND GEOLOGIC SURVEY

Carlyle Gray, State Geologist

1959



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CATALOGUE OF DEEP WELL SAMPLES AND GEOPHYSICAL LOGS TO JANUARY 1, 1959

by

W.R. Wagner

GENERAL STATEMENT

Prior to 1930, practically all drilling for oil and gas was restricted to the Upper Devonian or younger strata, but since the discovery of gas in the Lower Devonian Oriskany Sandstone in 1930, 1860 wells have penetrated through the Upper Devonian. This deeper drilling led to a classification of "shallow" and "deep" wells; the Tully Limestone, the top of the Middle Devonian, being arbitrarily chosen as the dividing point. Wells either reaching or penetrating the Tully Limestone are considered deep wells and those that stop in strata above the Tully are shallow wells; depth is not a criterion. This report deals only with the deep wells.

The geophysical logs, drillers logs, and published and unpublished sample descriptions are on open file in the Pittsburgh office. The well samples are stored either in the Pittsburgh or the Harrisburg office. Anyone wishing to examine a specific set of well samples is advised to contact either office to find the location of a particular set.

EXPLANATION OF CATALOGUE

Location and well data

Wells in Pennsylvania having geophysical logs and/or samples are listed alphabetically by counties, and the counties are subdivided alphabetically by quadrangles. Each well has been assigned a quadrangle number which corresponds to the number used in the previously published reports of deep well records. The reader is referred to Bulletins M 31, M 39, and Progress Reports 150, 151, 154, and 155 for further information relating to the location, formational top, and result of any particular well. These reports cover all of the deep wells drilled in Pennsylvania up to and including the year 1958.

The samples and geophysical logs of the out-of-state wells are also arranged alphabetically by counties, but are subdivided by townships rather than quadrangles.

Figure 1

CORRELATION CHART AND EXPLANATION OF GEOLOGIC SYMBOLS

		PLATEAU AREA	RIDGE AND VALLEY PROVINCE
PENNSYLVANIAN	U	Pw Washington	
		Pm Monongahela	
	L	Pc Conemaugh	
MISS.		Pa Allegheny	
		Pp Pottsville	
		Mmc Mauch Chunk	
DEVONIAN	U	Mp Pocono	
		Dun Upper Devonian undifferentiated	
	M	Dck Catskill facies	
		Dt Tully	
		Dhm Hamilton	
	L	Don Onondaga	
		Dor Oriskany	
SILURIAN	U	Dh Helderberg	
		Scb Cobleskill	Sk Keyser
		Ss Salina	Stw Tonoloway
	M(MS)	Sv Vernon	Swc Wills Creek
		SI Lockport	Sb Bloomsburg
		Sc Clinton	Smk McKenzie
			Sr Rochester
	L		Skf Keefer
		Sa Albion (Medina)	Srh Rose Hill
			St Tuscarora
ORDOVICIAN	U	Oq Queenston	Oj Juniata
		Oos Oswego	Obe Bald Eagle
		Or Reedsville	
		Ou Utica	Om Martinsburg
	M	Ot-br Trenton-Black River	
		Oc Chazy	
	L	Ob Beekmantown	
CAMBRIAN	U	Cg Gatesburg	
		Cw Warrior	
	M	MC Middle Cambrian	
	L	LC Lower Cambrian	
		PC Precambrian	

Geologic symbols

Figure 1 shows the correlation of strata between the Ridge and Valley Province, and the plateau of western and northern Pennsylvania; it also explains the meaning of the symbols used in the "Geologic Interval" column.

Missing intervals

Wells often have intervals of missing samples of a few tens of feet, but occasionally, sections of fifty to hundreds of feet are missing. Missing intervals of fifty or more feet are underlined.

Well-sample descriptions

Many of the well-sample descriptions by Dr. C. R. Fettke are not yet officially published and do not appear on the Survey's List of Publications. They are identified in the well-sample tables as "separates" and will be incorporated into a bulletin and published in the near future. Until that time they can be obtained for fifteen cents each from the Bureau of Publications, 10th and Market Streets, Harrisburg, Pennsylvania.

DEEP WELL SAMPLES OF PENNSYLVANIA

WELL DATA					SAMPLE DATA					Remarks, Published Descriptions, Etc.	
COUNTY Quadrangle & No.	Operator	Farm Name	Total Depth	LOG No.	Depth Interval		Geologic Interval		Geophysical Data Drillers Logs		Missing Intervals
					From	To	From	To			
ALLEGHENY New Kensington 2	South Penn Oil Co.	Christian Z. Schove #1	6235	38	240	6237	Pa	Dhm			
ARMSTRONG Kittanning 1	T.W. Phillips & J. T. Galey	W.T. Beidenbach #1	6000	41	0	6000	Pp	Dh			Unpublished description
Kittanning 2	Pittsburgh Plate Glass #839	Mary A. McGinley #1	7001	52	0	7001	Pc	Dh		4178-84, 6242-49	Unpublished description
Rural Valley 1	Peoples Nat. Gas	Lowry M. Martin #4	6891	39	14	6889	Pa	Dh			
BEAVER Beaver 4	South Penn Oil Co.	Cunningham- Zladovich #1	4862	43	55	4862	Pa	Dor			
Beaver 5	Columbian Fuel	Abbie Linnen- brink, et al #1	5295	39	10	5294	Pa	Dh			Described PR 127
Beaver 6	St. Joseph Lead	J.P. Koehler Est. #1	5345	42	0	5345	Pc	Dor			
Beaver 7	Wittmer Oil & Gas Co.	Wm. Willsman #1	5320	36	125	5318	Pa	Dor			
New Castle 7	Jas. H. Duff & J. T. Galey	Charlotte Calvin #1 (K-261)	4551	35	0	4551	Pa	Dor			
New Castle 8	Jas. H. Duff & J.T. Galey	Jas. L. Tennis Heirs #1	6822	40	1	6823	Pa	Oq	drillers log		Described in PR 127

WELL DATA				SAMPLE DATA							
COUNTY Quadrangle & No.	Operator	Farm Name	Total Depth	L b o o t s	Depth Interval		Geologic Interval		Geophysical Data Drillers Logs	Missing Intervals	Remarks, Published Descriptions, Etc.
					From	To	From	To			
BEAVER Sewickley	1 National Supply	Spang - Chalfant #1	5484	44	0	5484	Pa	Dor	drillers log, gamma-ray O-7843, temp. log O-7843	8870-93	Unpublished sum- marized sample log; lower & Middle Silurian duplicated by fault
Zellenople	2 L. D. McMichael et al	Elmer Pflug #1	5449	41	10	5449	Pc	Dor			
BEDFORD Bedford	1 Appalachian Basin Associates	Jessie B. Miller #1	8979	52	0	8978	Dor	Ob			
Broad Top	1 Benedum-Trees	Rock Hill Coal Co. #1	11,743	54	25	11,735	Pp	Dhm		470-78, 1765-75, 1841-48, 2490-96, 2050-2485, 2655- 3020, 3025-30, 3230-80, 3285-3300 3320-35, 3365-80, 3385-95, 3405-10, 3670-90, 5365-75, 6185-95, 6900-10, 6920-45, 7700-25, 7740-65, 7780-90, 7885-95, 7930-45, 8005-10, 8145-65, 8735- 11,200	
Clearville	1 John Galey, et al & N.Y. State Nat. Gas	Miller #1	5300	54	0	5300	Dun	Dor	gamma ray O-4743, gamma ray-neutron, 60-5217, temp. 4200-5217, sect. gauge 4150-5217	1182-88, 1827-37, 2395-2403, 3800-07, 4229-32, 4387-92, 4951-54	Faulted- well bottoms in Dhm ?

WELL DATA					SAMPLE DATA						Remarks, Published Descriptions, Etc.
COUNTY Quadrangle & No.	Operator	Farm Name	Total Depth	ID LOG >	Depth Interval		Geologic Interval		Geophysical Data Drillers Logs	Missing Intervals	
					From	To	From	To			
BEDFORD Clearville	John Galey, et al & N.Y.State Nat. Gas	R. C. Rice #1	5334	56	83	5305	Dun	Dor	Gamma ray 0-5143	782-89, 2086-97, 2686-91, <u>4416-84</u> , <u>4552-4760</u>	
		D.H.Miller #2	4893	57	10	4893	Dun	Dor			
	Clearville	N.Y.State Nat.Gas									
BRADFORD LeRaysville	Penn-York Nat.Gas	P.M.Brown	6290	32	120	6268	Dun	Dhm			Described in sep- arate
		G.H.Hettick #1	5227	32	230	5144	Dun	Dor			
	Monroeton	Penn-York Nat.Gas									
Powell	Leo Leiderbach, et al	Harold B. French #1	4673	54	1704	4678	Dun	Dor?	gamma ray 0-4673	857-74, 2829-37, 3082-89, 4526-31	
Sayre	W.W.Keefer	C.M.Kennedy #1	5530	32	950	4100	Dun	Dun		<u>1465-80, 1920-2530</u>	
Sayre	Penn-York Nat.Gas	Chas. Dickenson #1	5450	32	597	5410	Dun	Dhm			
Sayre	Nat'l Exploration & Developmnet Co.	Carlyle V. Teeter #1	4522	52	5	4522	Dun	Dor		589-95, 828-36, 1014-22, 1040-49	
Sayre	Parsons Bros.	Anna Carver #1	7220	56	4200	7200	Dun	Sv	Drillers log		Unpublished summar- ized sample log
Towanda	Springbrook Water	C.V.Morris #1	4420	32	8	4415	Dun	Don			
Towanda	Penn-United Gas	Bradford Co. Agricultural School #1 (Towanda Fair	5307	31	665	5246	Dun	Don			

WELL DATA				SAMPLE DATA							
COUNTY Quadrangle & No.	Operator	Farm Name	Total Depth	LOG ID	Depth Interval		Geologic Interval		Geophysical Data Drillers Logs	Missing Intervals	Remarks, Published Descriptions, Etc.
					From	To	From	To			
BRADFORD Troy	1 Mosherville Oil & Gas	S. G. Braisted #1	4750	31	0	4517	Dun	Dhm			
Troy	2 Jas. H. Duff, et al	Geo. Olson #1	5700	31	1080	5687	Dun	Dor	drillers log		
BUTLER Foxburg	1 J. C. Walker, et al	J. S. Walker #1	7620	55	18	7620	Pa	Oq		1310-20, 2498-2532, 5097-5123	
Hilliards	1 Hill Oil & Gas Co	Mary Becker #1	4889	49	0	4889	Pp	Dh			Described in PR 127
Hilliards	2 South Penn Oil Co	Fowler- Campbell #1	5549	39	0	5549	Pa	Dh			Described in separate
Mercer	2 Manufacturers Light & Heat	Jessie Hockenberry #1	10,096	44	0	10,096	Pa	Cg			Described by Martens, W.Va. Geol.Surv. Vol. XI.
Zelienople	3 J.H. Duff & J. T. Galey	Lehigh Port- land Cement Co #1	5170	35	17	5170	Pp	Ss	drillers log		
Zelienople	4 Wittmer Oil & Gas Co. & Phillips Gas & Oil	Perry S. Davis #1	5587	36	204	5541	Pa	Dor			
Zelienople	5 American Gas	Paul Fanker #1	5370	36	170	5372	Pa	Dh			

WELL DATA					SAMPLE DATA					Remarks, Published Descriptions, Etc.	
COUNTY Quadrangle & No.	Operator	Farm Name	Total Depth	Core Depth	Depth Interval		Geologic Interval		Geophysical Data Drillers Logs		Missing Intervals
					From	To	From	To			
CAMERON Crosby (Cole- grove)	Sylvania Corp	Hercules Powd- er Co. #1	5181	51	0	5177	Dun	Dh	drillers log	263-72, 341-47, 784-92, 840-46, 902-09, 964-1009, 1102-13, 1144-53, 1164-74, 1421-30, 1636-46, 1656-66, 1807-16, 2147-58, 2486-92, 2754-70, 2861-78, 4600-27, 4667-72, 4700-05, 710-18, 833-47, 923-34, 950-60, 991-97, 1562-65, 1620-25, 1687-89, 879-909, 1053-65, 1482-91, 3223-33, 3356-76, 4038-52, 4305-18, 4960-66, 5280-94, 5921-27, 6024-39, 6180-6210, <u>3187-4475</u>	Described in separate & Bull. M36
Driftwood	H K Daugherty	Adeline Logue #1	5406	49	0	5406	Dun	Dor		101-120, 4518-28, 4685-4730, 4950-72, 5018-32, 5100-14, 5172-91, 5348-60, 5378-5400,	Described in Bull. M36
Driftwood	NY State Nat. Gas	Pa Tract 10 #1	6403	51	50	6404	Dun	Dh			
Driftwood	Godfrey L. Cabot	Pardee Est. #1	6794	51	0	6794	Mp	Dor			
Driftwood	Sylvania Corp.	S. C. Eaton, Jr. #1	5922	51	0	5922	Dek	Dor			
Driftwood	Fred Beasley Co.	Dodge Lumber Co. #1	6157	51	85	6158	Dek	Dh		1291-99, 4213-23, 4440-47, 5300-12, 5323-68	

WELL DATA					SAMPLE DATA				Remarks, Published Descriptions, Etc.		
COUNTY Quadrangle & No.	Operator	Farm Name	Total Depth	Year Completed	Depth Interval		Geologic Interval	Geophysical Data Drillers Logs		Missing Intervals	
					From	To					
CAMERON Driftwood	21 Nat'l Exploration & Development Co.	Thos. H. Murray Est. #1	6094	53	0	6094	Dun	Dhm	gamma ray 0-5734, section gauge 750-5734	511-601, 1280-87, 1437-44, 1855-2193, 2174-3300, 3645-3952, 4003-13, 4210-20, 4265-78, 4288-4315, 4370-83, 4400-16, 5347-54, 5446-66 Duplicate set of samples 0-5695, miss- ing intervals: 1159- 76, 1204-22, 1229-70, 1280-1303 1314-1444, 1458-1531 1542-48, 1556-58, 1570-2332, 2341-2540 2699-2704, 3645-3952, 4210-22, 4236-4400, 4416-4834, 4867-5455, 5466-5634, 5638-60, 5665-88	Faulted at 5750
Driftwood	30 Keta Gas & Oil	Pa. Tract 19, #2	7043	52	1650	7042	Dun	Dh		3230-40, 3480-90, 3560-70, 4850-70, 5230-40, 5270-80, 5700-10, 5870-80, 6920-30	
Driftwood	31 Manufacturers Light & Heat	Pa. Tract 19, #1	6242	52	1742	6250	Dun	Dh	drillers log	2186-95, 2242-64, 5478-90, 6127-34, 6212-27	

WELL DATA				SAMPLE DATA						Remarks, Published Descriptions, Etc.	
COUNTY Quadrangle & No.	Operator	Farm Name	Total Depth	Legend	Depth Interval		Geologic Interval		Geophysical Data Drillers Logs		Missing Intervals
					From	To	From	To			
CAMERON											
Driftwood	45 Chas Fralich & Associates	Dodge Lumber Co. #3	6146	52	6092	6123	Don	Dor			
Driftwood	46 Manufacturers Light & Heat	Pa. Tract 20, #1	5937	52	0	5923	Dek	Dor		1797-1981, 2302-2485	
Driftwood	55 Manufacturers Light & Heat	Pa. Tract 21, #1	7438	53	0	7343	Mp	Don	drillers log	492-501, 882-92, 1208-19	
Driftwood	59 S & M Gas & Oil Co	Buck Trail Inn #1	6082	52	386	6082	Dun	Dh		1191-1201, 1474-88, 1721-31, 2080-90, 2288-2310, 3108-24, 3285-95, 3641-47, 4379-4977, 5019-24, 5065-77, 5276-92, 5481-93, 5781-5705, 5955-65, 5966-81, 5993-6017	
Driftwood	60 Manufacturers Light & Heat	Pa. Tract D, #1	6529	52	790	6523	Dun	Dor	drillers log, gamma ray 5500-6512	3836-60, 4398-4405, 4486-97, 5704-13, 5694-5700, 6320-51	
Driftwood	61 Manufacturers Light & Heat	Pa. Tract D, #2	7442	52	12	7425	Mp	Doh?	drillers log, electric log 6000-7442	1895-3348, 6616-24, 6654-6700, 7230-56	
Driftwood	98 Manufacturers Light & Heat	Pa. Tract 26, #13	7089	54	6300	7070	Dun	Don	drillers log		

WELL DATA					SAMPLE DATA					Remarks, Published Descriptions, Etc.
COUNTY Quadrangle & No.	Operator	Farm Name	Total Depth	Top of Log	Depth Interval		Geologic Interval		Geophysical Data Drillers Logs	
					From	To	From	To		
CAMERON Driftwood	101	Manufacturers Light & Heat	6992	54	4848	6988	Dun	Dor	drillers log	91-197, 230-240, 263-390, 610-620 815-825, 920-930, 2165-85, 2195-2205, 2272-2310, 2320-33, 2365-81, 2774-98, 2840-50, 3225-3348 4740-50, 5490-5500, 5520-30, 6330-40, 6400-30, 6450-60, 6640-50, 6850-60, 7100-7200, 7290-7310 7320-40
	102	Manufacturers Light & Heat	6995	54	0	6932	Mp	Don	drillers log	
	1	Manufacturers Light & Heat & Keta Gas & Oil	7594	52	2	6900	Mp	Dhm	electric log 518-7583	
	2	Keta Gas & Oil	7484	52	0	7400	Pp?	Don		
Karthauss	6	Hoover #1	7440	54	131	1683	Mp	Dun		
Renovo West	10	N.Y.State Nat.Gas Pa. Tract 1, #1	6688	51	60	6688	Dun	Dh	gamma ray 0-6610	850-60, 1411-17, 1570-80, 2470-80, 3780-85, 4172-77, 4582-99, 5060-65, 5254-58, 6209-31, 6261-72
CENTRE Karthauss	4	Lexa Oil & Gas Michael O'Brien #1	8257	52	2655	8250	Dun	Dh?		2873-82, 3175-90, 3931-40, 4995-5008, 5487-97, 7175-95, 7414-29, 8211-18

WELL DATA					SAMPLE DATA					Remarks, Published Descriptions, Etc.
COUNTY Quadrangle & No.	Operator	Farm Name	Total Depth	Comp	Depth Interval		Geologic Interval	Geophysical Data	Missing Intervals	
					From	To				
CENTRE Snowshoe 3	Manufacturers Light & Heat	Pa. Tract E, #2	8399	53	0	8399	Pp Dh	drillers log	250-72, 1552-72, 1630-40, 1725-48, 2055-70, 2170-83, 3059-73, 6370-82, 7438-51, 8107-60	
Snowshoe 4	Keta Gas & Oil	City of Phila- delphia, #1	8320	53	700	8330	Dun Dh?		1305-22, 2709-33, 2851-57, 3872-82, 4511-19, 6490-6500, 6410-27, 7592-7600 7743-63	
CLARION Clarion 1	Dempseytown Gas	Bryner, et al #33	6110	38	2221	6103	Dun Ss	drillers log		
CLEARFIELD Clearfield 29	Manufacturers Light & Heat	Pa. Tract 40, #1	6928	57	750	6700	Dun Dh	gamma ray and temp. 6000-6928	780-90, 1500-3000 3400-10, 4670-80, 5290-5320, 5400-40, 5500-5720 6360-6400	
Curwinsville 1	F. C. Deemer	Robbins #1	7878	57	6600	7878	Dun Dh	drillers log		

WELL DATA					SAMPLE DATA				Remarks, Published Descriptions, Etc.	
COUNTY Quadrangle & No.	Operator	Farm Name	Total Depth	LOG No.	Depth Interval		Geologic Interval	Geophysical Data Drillers Logs		Missing Intervals
					From	To				
CLEARFIELD Karthaus	3 N.Y.State Nat. Gas	M. T. Steel #1	7563	53	144	7563	Pp? Ss?	drillers log	752-980. 1251-98, 1323-60, 1742-90, 2050-70, 2503-70, 2870-79, 2953-64, 3005-20, 3032-48, 3232-50, 3500-15, 3527-42, 3760-80, 3904-19, 4130-50, 4310-35, 4578-4610, 5188-5218, 4632-35, 4785-95, 4972-93, 5118-46, 5275-95, 5306-16, 5437-57, 5545-80, 5595-5640, 5650-74, 6625-52, 6802-12, 6900-10, 6962-75, 6991-7005, 7195-7200, 7368-7486,	
Penfield	1 Manufacturers Light & Heat	Pa. Tract C, #1	7094	53	0	7088	Pp Dor	drillers log, gamma ray 0-7094	5783-95, 6620-25, 7128-41	
Penfield	2 Manufacturers Light & Heat	Pa. Tract C, #2	7232	53	12	7232	Pp Dh	drillers log, gamma ray 1100-7232	860-70, 1080-90, 1500-10, 2170-80, 2900-10, 2980-90, 3320-30, 4100-60, 4270-6086, 6110-6, 00 6330-7000, 7297-7307	
Penfield	3 N.Y.State Nat. Gas	O.W.McNaul #1	7383	53	830	7383	Dun Dh	drillers log, gamma ray 0-7378, temp. 0-4739 & 7200-7378, caliper 5120-5306 7140-7378		

WELL DATA					SAMPLE DATA					Remarks, Published Descriptions, Etc.	
COUNTY Quadrangle & No.	Operator	Farm Name	Total Depth	Year Completed	Depth Interval		Geologic Interval		Geophysical Data Drillers Logs		Missing Intervals
					From	To	From	To			
CLEARFIELD Penfield 6	Rockton Drilling Co.	Eva Moore #1	7236	55	1010	7236	Dun	Dh	gamma ray & temp. 7075-7188	1470-80, 2300-10, 2880-90, 2960-70, 3050-60, 3350-60, 3610-20, 3810-20, 3890-3900, 3900-90 4160-70, 4280-90, 4870-4920, 5330-50, 5437-57, 5545-80, 5595-5640, 5650-74, 6625-52, 6802-12, 6900-10, 6962-75, 6991-7005, 7195-7208	Discovery well
Penfield 20	T.W. Phillips Gas & Oil	M.L. Kirk #1	7088?	56	505	7085	Dun	Dh			
Penfield 29	N.Y. State Nat. Gas	Pa. Tract 63, #1	7367	56	7280	7366	Dhm	Dh	drillers log, gamma ray- neutron & temp. 7200-7367	5119-33, 4326-40, 4300-08, 5754-63, 5927-37, 6261-6514, 6670-80, 6690-6700,	
Penfield 49	N.Y. State Nat. Gas	Barney Bailey #1	7444	57	7330	7440	Dhm	Dor	drillers log	7367-80	
Penfield 54	N.Y. State Nat. Gas	A.L. Orner, et ux, #1	7402	57	7310	7402	Don	Dh	drillers log	7326-30	
Penfield 93	F.C. Deemer	Baker Run Re- serve #1	7288	57	4000	7214	Dun	Don	drillers log		
Penfield 104	F.C. Deemer	Baker Run Re- serve #2	7135	57	7045	7135	Don	Dor	drillers log	7057-85	
Penfield 110	F.C. Deemer	Baker Run Re- serve #3	7154	57	6000	7154	Dun	Dor	drillers log	7097-98	

WELL DATA				SAMPLE DATA						Remarks, Published Descriptions, Etc.
COUNTY Quadrangle & No.	Operator	Farm Name	Total Depth	Geologic Interval	Depth Interval		Geologic Interval	Geophysical Data Drillers Logs	Missing Intervals	
					From	To				
CLEARFIELD Penfield	113 N.Y.State Nat.Gas	City of Dubois #2	7240	58	7155	7240	Dn	Dh		
Penfield	120 F. C. Deemer	Baker Run Re- serve #4	7401	58	7300	7404	Dhm	Dh	drillers log	7322-23
Penfield	135 F. C. Deemer	Baker Run Re- serve #5	7240	58	6100	7240	Dun	Dh	drillers log	7171-90
Penfield	136 F. C. Deemer	Baker Run Re- serve #6	7590	58	7476	7600	Dhm	Dh	drillers log	7532-38
Penfield	144 F. C. Deemer	Baker Run Re- serve #7	7448	58	6720	7448	Dun	Dh	drillers log	7382-84, 6895-6900,
Penfield	152 F. C. Deemer	Baker Run Re- serve #8	7760	58	7470	7760	Dhm	Dh	drillers log	7567-68, 7569-70, 7578-79, 7711-16, 7718-19, 7723-24, 7728-29
Phillipsburg	3 Parsons Bros.	Pa.State Game Lands, Tract 78, #1	8085	57	700	8085	Dun	Dh		<u>2678-3972,</u> <u>4248-4300,</u>
Punxsutawney	2 F. C. Deemer	Alice Irwin #10	8049	49	8	8003	Pc	Sa		
Punxsutawney	3 F. C. Deemer	Alice Irwin #13	7840	53	0	7750	Pa	Sa		
Punxsutawney	8 F. C. Deemer	Daniel Fryer #1	7700	55	1180	7700	Dun	Seb- K		
Punxsutawney	9 F. C. Deemer	A.C.Hopkins #1 (#6)	7355	55	20	7360	Pa?	Dh	<u>4027-6763</u>	

WELL DATA				SAMPLE DATA							Remarks, Published Descriptions, Etc.
COUNTY Quadrangle & No.	Operator	Farm Name	Total Depth	Elev ft	Depth Interval		Geologic Interval		Geophysical Data Drillers Logs	Missing Intervals	
					From	To	From	To			
CLEARFIELD Punxsutawney	10 F. C. Deemer	James Korb #1	7810	55	6700	7810	Dun	Dh		7638-87	Sampling inter- vals very large, generally ranges from 30 ft. to over 300 ft.
	12 F. C. Deemer	B.W. Irwin #1	8230	56	6300	8225	Dt	Ss		<u>7660-7806</u>	
	13 F. C. Deemer	Graig McGee #1 (#4)	8048	56	6810	8048	Dun	Dh			
	15 F. C. Deemer	Shively #1 (#2)	7571	57	6192	7558	Dun	Dh			
	16 F. C. Deemer	McAninch-Kiser #1 (Kiser- Conti #1)		57	4513	5826	Dun	Dun	drillers log		
CLINTON Howard	1 Miller, et al	Gorman #1	6732	53	2054	3840	MS?	MS?		2500-30, 2950-3030, 3060-3207, <u>3243-3470</u> , <u>3550-3600</u> ,	
Lock Haven	1 Deep Rock Oil Co.	Clifford Walizer #1	4532	53	0	4245	Ob	Cg?	drillers log	<u>45-100</u> , <u>140-85</u> , <u>330-80</u> , <u>440-50</u> , <u>460-500</u> , <u>610-50</u> , <u>1545-50</u> , <u>1770-1860</u> , <u>1940-55</u> , <u>2195-2214</u> , <u>2685-90</u> , <u>3350-55</u> ,	
Renovo East (Hyner)	2 John McGuire	J. & H. McGuire	6940	51	7	4200	Mp	Dun			

WELL DATA				SAMPLE DATA					Remarks, Published Descriptions, Etc.
COUNTY Quadrangle & No.	Operator	Farm Name	Total Depth	Top of Oil	Depth Interval	Geologic Interval	Geophysical Data	Missing Intervals	
CLINTON Renovo East (Hyner)	3 N.Y.State Nat.Gas	Pa. Tract 13, #1	8311	52	13	8311	Np	Dh	68-92, 124-51, 187-215, 1284-96, 1950-59, 1967-75, 2282-88, 4641-47, 4658-85, 4764-69, 7011-17
Renovo East (Hyner)	5 Smith & Shaw	Frank Harmon #1	6578	51	506	6349	Dek	Dun	gamma ray O-6578
Renovo East (Hyner)	6 N.Y.State Nat.Gas	Pa. Tract 12, #1	7630	52	60	7575	Dun	Dh?	961-1000, 2157-4135 4156-81, 4242-64, 4274-38, 4310-46, 4368-84, 4398-4410, 4452-4520, 6404-7392
Renovo West (Bitumen)	4 Godfrey L.Sabot, Inc.	J.C.Foley #1	6542	50	20	6540	Dek	Dor	
Renovo West (Bitumen)	32 Freeman & Brooks	Josephine McCoy #1	6129	56	5598	6124	Dor	3s	drillers log to 5602
Renovo West (Bitumen)	39 N.Y.State Nat.Gas	Pa. Tract 4, #1	5833	51	0	5836	Dek	Dor?	1751-57, 5185-95
Renovo West (Bitumen)	45 N.Y.State Nat.Gas	Pa. Tract 2, #1	6408	51	883	6408	Dek	Dh	1046-1521, 1652-62, 2378-83, 2729-38
Renovo West (Bitumen)	102 Susquehanna Oil & Gas	George Jents #1	6929	52	55	3947	Dek	Dun	

WELL DATA					SAMPLE DATA					Remarks, Published Descriptions, Etc.	
COUNTY Quadrangle & No.	Operator	Farm Name	Total Depth	Year Compl.	Depth Interval		Geologic Interval		Geophysical Data Drillers Logs		Missing Intervals
					From	To	From	To			
CLINTON Renovo West (Bitumen)	103 N.Y.State Nat.Gas	Pa. Tract 4, #2	5992	51	1174	5992	Dun	Dh		<u>1464-1604</u> , <u>1708-3910</u> , <u>5100-15</u> , <u>5380-95</u> , <u>5962-84</u>	
Renovo West (Bitumen)	108 E. P. Sheridan, et al	Horbert Martin #1	7839	56	57	7825	Np	Dh?		970-90, 1200-30, 1295-1305, 2366-81, 3495-3510, 3520-30, 4000-10, 5034-43, 5333-43, 5452-58, 5521-28, <u>5561-5647</u> , 6135-55, <u>6655-67</u> , 7625-62, 7818-25	
Renovo West (Bitumen)	110 Mid-Atlantic Oil & Gas	Homewood Hunt- ing Club #1	6646	51	0	6550	Dek	Dhm		2974-94, 4150-55, 4181-91, <u>4643-5005</u> , <u>5055-5108</u> , <u>5114-5200</u> , <u>5505-23</u> , <u>5565-70</u> , <u>5635-65</u> , <u>5750-5850</u>	
Renovo West (Bitumen)	123 N.Y.State Nat.Gas	Pa. Tract 15, #1	6370	52	274	6352	Dek	Dor		282-99, 474-82, 776-88, 835-65, 1425-35, 1580-90, 1470-00, 1642-59, 2870-97, 3499-3519, 3779-89, 4655-65, 5078-88, 6362-72, <u>6290-6341</u>	
Renovo West (Bitumen)	169 N.Y.State Nat.Gas	Pa. Tract 2, #2	6317	52	1	5898	Dek	Dhm		<u>1648-2202</u> , 2770-83, <u>2910-18</u>	
Snowshoe	2 Manufacturers Light & Heat	Pa. Tract E, #1	7942	53	168	7942	Mp?	Dh	drillers log, gamma ray 0-7938	7144-53	

WELL DATA					SAMPLE DATA							Remarks, Published Descriptions, Etc.
COUNTY Quadrangle & No.	Operator	Farm Name	Total Depth	Year Comp.	Depth Interval		Geologic Interval		Geophysical Data Drillers Logs	Missing Intervals		
					From	To	From	To				
CLINTON Waterville	2	Manufacturers Light & Heat	Chatham Water Works #1	8576	52	24	8576	Pp?	Dh		539-42, 598-602, 737-45, 820-27, 4174-80, 4268-79, 6028-73, 6164-81, 7467-76, 8198-8201, 8333-39, 2933-38, 3030-36, 3233-38, 3702-08	Vaulted-samples bottom in Dhm
Waterville	3	Murphy Oil & Gas	Mohawk Rod & Gun Club #1	8576	52	6371	8536	Dun	Dor			
COLUMBIA Catawissa	1	Farmers Oil & Gas	Knarr #1	7445	57	130	5565	Dok	Don	gamma ray- neutron O-7008		
CRAWFORD Girard	13	Appalachian Devel- ment Corp.	Alfa Cozadd #1	3628	49	0	3628	Dun	Oq	drillers log		
Girard	24	Felmont Oil Corp.	Harry Rippert #1	3690	58	15	3664	Dun	Oq	drillers log	997-1422, 2200-59	
Girard	25	Felmont Oil Corp.	Lewis Forro #1	3886	58	235	3885	Dun	Oq	drillers log	1468-77, 2080-90, 2582-88	
Linesville	5	Anthony J. Wise	R.C.Jamison #1	4619	30	506	4619	Dun	Oq	drillers log		
Linesville	6	Sylvania Corp.	Ellen Calvin #2	4896	48	3206	4889	Dhm	Oq	drillers log		
Linesville	7	Sylvania Corp.	Ellen Calvin #1	4644	43	1	4644	Pp	So?	drillers log		

WELL DATA					SAMPLE DATA					Remarks, Published Descriptions, Etc.	
COUNTY Quadrangle & No.	Operator	Farm Name	Total Depth	Log Scale	Depth Interval		Geologic Interval		Geophysical Data Drillers Logs		Missing Intervals
					From	To	From	To			
CRAWFORD Linesville	8 R. McConnell	G.J. Russell #1	4500	51	2072	4500	Dun	Oq	drillers log	531-37, 1384-88, 2260-73, 2961-68, 3226-36, 3400-18, 3507-27, 3681-88, 3890-98, 4030-36	
Linesville	9 R. McConnell	Good, Walsh & Russell	4109	52	490	4109	Dun	Oq	drillers log		
Linesville	10 R. McConnell	Zickefoose #1	4378	52	375	4378	Dun	Oq	drillers log		
Linesville	11 Mid-Atlantic	T. R. Cain, et al, #1	4133	55	65	2590	Mp	Don	drillers log		
Linesville	12 Mid-Atlantic	Robert L. Oates, #1	4088	56	2580	4088	Don	Oq	drillers log		
Linesville	13 Benedum-Trees	Ed. Mullen #1	4735	56	1400	4735	Dun	Oq	gamma ray- neutron 4200-4742	2702-04, 2742-47, 2787-88, 2871-2986, 3115-34, 3202-16, 3515-22, 3556-68, 3650-75, 3695-3702, 3723-30, 3741-52, 3753-60, 3802-07, 3840-46, 3864-96, 3917-20, 3930-35, 3957-61, 3982-89, 3998-4005, 4009-12, 4022-38, 4062-70	

WELL DATA				SAMPLE DATA							Remarks, Published Descriptions, Etc.
COUNTY Quadrangle & No.	Operator	Farm Name	Total Depth	Core Log	Depth Interval		Geologic Interval		Geophysical Data Drillers Logs	Missing Intervals	
					From	To	From	To			
CRAWFORD Meadville	1 Potter Develop- ment	N. D. Dahl #1	4522	37	1341	4421	Dun	Oq	drillers log	290-97, 301-1083, 1083-2175, 2180-2674, 2680-2815, 2827-3040, 3109-17, 3196-3209, 3212-19, 3223-27, 3292-96, 3320-36, 3350-83, 3426-59, 3764-75, 3785-3829, 3844-53, 3874-4105, 4113-25, 4130-94, 4196-4283	Discovery well
	1 G. W. Bean & H. F. White	Harry F. White #1	4300	51	277	4294	Dun	Sl			
Union City	1 Potter Develop- ment	J. Chapin #1	4354	37	870	4296	Dun	Oq	drillers log	6130-48, 6250-6735	
ELK Benezette	18 Harry Wines, et al	B. K. Cain #1 (B. M. Kane)	6810	53	6115	6777	Dun	Don		2281-91, 3150-60, 5775-84, 5850-60, 6115-6725, 6905-15, 6760-80	
Benezette	20 Keta Gas & Oil	Charleroi Mtn. Club #1	6975	53	1979	6975	Dun	Dor			
Benezette	21 Keta Gas & Oil	Charleroi Mtn. Club #2	6943	53	492	3016	Dun	Dun			

WELL DATA					SAMPLE DATA					Remarks, Published Descriptions, Etc.	
COUNTY Quadrangle & No.	Operator	Farm Name	Total Depth	Year Comp.	Depth Interval		Geologic Interval		Geophysical Data Drillers Logs		Missing Intervals
					From	To	From	To			
ELK Benezette	47 L. C. Thurstin	Jones Estate #1	6420	53	906	6355		Dun	Don		1150-1460, 1613-1717, 2041-2125, 2173-93, 2706-18, 2814-80, 3191-3210, 3800-61, 4096-4457, 4577-4750, 4946-5253, 5273-5300, 5657-90, 5699-5820, 5962-82, 6020-65, 6161-85, 6223-41, 6304-14
Benezette	62 Manufacturers Light & Heat	State of Pa. Tract 26, #1	6904	53	1167	6888		Dun	Dor	drillers log	1887-3498, 3898-4555
Benezette	96 Mid-Atlantic Oil & Gas	W.A. Thurby #1	6101	53	2902	6044		Dun	Dhm	drillers log	3544-4025, 5305-15 5904-14, 5964-90, 6018-29
Benezette	168 Sylvania Corp.	H.L. Pearsall #2	6221	54	6221	6922		Dhm	Dor	drillers log	
Benezette	170 Manufacturers Light & Heat	State of Pa. Tract 26, #2	6934	54	6547	6922		Dhm	Dor	drillers log	
Benezette	171 Manufacturers Light & Heat	State of Pa. Tract 26, #3	6390	54	4744	6381		Dun	Dh	drillers log, gamma-ray O-6366, temp. 4850-6366	
Benezette	172 Manufacturers Light & Heat	State of Pa. Tract 26, #4	6291	54	2870	6237		Dun	Dor	drillers log, gamma-ray O-6291, temp. 6000-6291	
Benezette	173 Manufacturers Light & Heat	State of Pa. Tract 26, #6	6929	54	3820	6901		Dun	Don	drillers log	3970-4030, 6835-40, 6845-75

WELL DATA				SAMPLE DATA							Remarks, Published Descriptions, Etc.
COUNTY Quadrangle & No.	Operator	Farm Name	Total Depth	Log No.	Depth Interval		Geologic Interval		Geophysical Data Drillers Logs	Missing Intervals	
					From	To	From	To			
ELK Benezette	174	Manufacturers Light & Heat	6060	54	6046	6060	Don	Dor	drillers log		
Benezette	175	Manufacturers Light & Heat	6741	54	6600	6729	Dhm	Dor	drillers log		
Benezette	176	Manufacturers Light & Heat	6969	54	3690	6930	Dun	Don	drillers log		
Benezette	179	Manufacturers Light & Heat	6918	54	6800	6905	Dhm	Dor	drillers log, gamma-ray 0-6902, temp. 6765-6902		
Clearfield	6	N.Y.State Nat.Gas Tract 33, #7	7328	54	7252	7325	Dhm	Dh	drillers log		
Clearfield	12	Pa. State Game Lands, Tract 34C, #1	7106	54	6300	6510	Dun	Dhm	drillers log		
Clearfield	13	Pa. State Game Lands, Tract 34C, #2	7102	54	6580	7075	Dhm	Don	drillers log	6710-6800, 6800-55, 6855-6875, 6875-85, 6885-6905	
Hallton	1	Pa. Gas Co. #1245	7546	45	0	7546	Mp	Oq	drillers log		
Hallton	2	Humphrey Brick & Tile Co. Danforth #41	6076	49	0	6076	Mp	Ss	drillers log		May be located in Jefferson County

WELL DATA					SAMPLE DATA					Remarks, Published Descriptions, Etc.	
COUNTY Quadrangle & No.	Operator	Farm Name	Total Depth	Year Comp.	Depth Interval		Geologic Interval		Geophysical Data Drillers Logs		Missing Intervals
					From	To	From	To			
ELK Kane	1	United Nat. Gas Well #3737 Warrant 3788	7930	28	6	7930	Mp	Oq			Described in Bull. M21, GSA Vol. 44, and in separate
Penfield	11	N.Y. State Nat. Gas Logan L. Bond #1	6790	57	50	6790	Pp	Ss	gamma-ray & temp. 0-6454	3990-4000, 6200-10, 6447-63	
ERIE Cambridge Springs 6		Bethridge #1	6840	57	1050	6840	Dun	Og		1095-1150, 1178-85, 1191-1238, 1273-1344, 1403-25, 1480-97, 1525-86, 1592-96, 1650-85, 1747-80, 2053-60, 2222-71, 2310-59, 2416-58, 2496-2527, 2665-95, 2899-2905, 2712-23, 2966-70, 3013-50, 3070-80, 3210-20, 3300-50, 3810-30, 3850-60, 3975-4000, 4175-4205, 4530-50, 5825-30, 5995, 6000, 6190-95, 6260-70, 6290-6300, 6650-55, 6690-95, 5700-10, 6774-75, 6830-35	
Corry	1	Pa. Gas Co. W.W. Stutzman, #1	4452	47	2770	4452	Dt	Cq	drillers log		
Corry	2	Pa. Gas Co. C.J. Pollette #1	4584	47	90	4588	Dun	Oq	drillers log		

WELL DATA					SAMPLE DATA						Remarks, Published Descriptions, Etc.
COUNTY Quadrangle & No.	Operator	Farm Name	Total Depth	Core Depth	Depth Interval		Geologic Interval		Geophysical Data Drillers Logs	Missing Intervals	
					From	To	From	To			
ERIE Corry	3 Pa. Gas Co.	C. J. Follette #2	4523	48	4300	4513	Sc	Oq	drillers log		
Corry	4 Pa. Gas Co.	A.D.Peterson #1	4603	48	4287	4603	Sc	Oq	drillers log		
Corry	5 Pa. Gas Co.	John Kalika #1	4591	47	2953	4591	Dt	Oq	drillers log		
Corry	13 Beaver Dam Petroleum Corp.	Frank Stutzman #1	4340	53	12	4340	Dun	Oq	drillers log	480-89, 620-28, 1467-80, 2307-19, 3001-14, 3454-64, 3503-18, 3887-3900, 3926-34, 3946-53, 4017-29	
Corry	14 Pa. Gas Co.	Edith Adams #1	4481	53	2856	4481	Dt	Cq	drillers log, gamma-ray & temp. 3970-4480	3754-69	
Erie	7 Appalachian Development Corp.	Chester Fuhrman #1	3485	48	1816	3505?	Dt	Oq	drillers log		
Erie	13 Stevens & Skrobot	P. M. Osborn #1	2455	54	2198	2454	Don	Dor			
Erie	15 Stevens & Skrobot	Himes & Hull #1	2447	55	1967	2446	Dnn	Dor		2122-90	
Erie	16 Stevens & Skrobot	H. P. Laskoski #1	2399	55	1917	2397	Dt	Dor			

WELL DATA					SAMPLE DATA					Remarks, Published Descriptions, Etc.	
COUNTY Quadrangle & No.	Operator	Farm Name	Total Depth	Year Compl.	Depth Interval		Geologic Interval		Geophysical Data Drillers Logs		Missing Intervals
					From	To	From	To			
ERIE Erie	51 Douglas Brown	H. Prath #1 (H.Flath)	2005	55	1728	1999	Don	Dor			
	62 Stephens, et al	Goodwill- Curley #1	6015	56	2193	6012	Don	Cg	gamma-ray & temp. 2050-3506	2275-2334, 2350-52, 2355-60, 2366-70, 2372-2591, 3104-06, 5875-82	Described in separate
Fairview	2 New Penn Develop- ment Corp.	J. F. Miles #3	2575	33	25	2553	Dun	Sa	drillers log		Described in separate
Girard	1 Ohio Oil Co.	Jay Childs #1	5191	41	0	5191	Dun	Cg	drillers log		Described in separate & PR 127
Girard	2 Ohio Oil Co.	N.Blickens- dorf #22	4457	42	68	4457	Dun	Ot- br	drillers log		Described in separate
Girard	28 Britton, Miller, Dearmont & Walker	Edna Roberts #1	3265	58	100	3265	Dun	Oq		405-15, 510-19, 750-56, 910-11, 940-52, 1100-65, 1284-86, 1808-18, 1950-58, 2052-58, 2268-75, 3061-66, 3093-3105	
Northeast	6 Appalachian De- velopment Corp.	C. R. Thornton #1	2228	45	11	2228	Dun	Dh			
Northeast	7 Appalachian De- velopment Corp.	Lloyd Jones #1	2622	47	2113	2622	Dt	Dh?			

WELL DATA					SAMPLE DATA						Remarks, Published Descriptions, Etc.
COUNTY Quadrangle & No.	Operator	Farm Name	Total Depth	Id Log	Depth Interval		Geologic Interval		Geophysical Data Drillers Logs	Missing Intervals	
					From	To	From	To			
ERIE Northeast	10	Appalachian Development Corp.	2582	46	273	2582	Dun	Dh?			
	18	Olson, et al	2849	58	1782	2849	Dun	Ss?	gamma ray- neutron log 2400-2848		
	19	Pa.Gas Co. & Pelmont Oil Corp.	3623	58	0	3623	Dun	Oq	drillers log	41-47, 129-154, 423-29, 2664-68, 2983-91, 3267-69, 3312-18	
	20	Benedum-Trees	Pa. State Game Lands #1	3580	58	2352	3580	Dun	Oq	gamma ray- neutron log 2200-3582	2613-19, 3204-35, <u>3245-3375</u>
FAYETTE Bruceton	4	Manufacturers Light & Heat	8788	48	225	8788	Mp	Ss			
Confluence	1	New Penn Development	8498	42	96	8498	Mp	Dh	drillers log		
Connellsville	2	Acme Dye & Machine Co.	7861	53	377	7861	Mp	Dhm		475-500, 537-55, <u>1968-2128</u> , 7670-7700	
Connellsville	3	Peoples Nat.Gas	9261	54	20	9260	Pp	Dh	drillers log, gamma-ray 0-9240, elec- tric log, 1700-9240	7900-30, 6920-40	

WELL DATA				SAMPLE DATA						Remarks, Published Descriptions, Etc.	
COUNTY Quadrangle & No.	Operator	Farm Name	Total Depth	Year Comp.	Depth Interval		Geologic Interval		Geophysical Data Drillers Logs		Missing Intervals
					From	To	From	To			
PAYETTE Donegal	6	Mid-Atlantic Oil & Gas Co.		54	455	8:75	Dun?	Dh	drillers log, electric log 680-8065		
Morgantown	1	Peoples Nat. Gas	8253	48	0	8253	Mmo	Dh			
Uniontown	1	New Penn Develop- ment Corp.	7347	40	6825	6831	Don	Don	drillers log		
Uniontown	3	W.W. Wasson	7184	39	6401	7112	Dhm	Dor			
Uniontown	4	Greensboro Gas Co.	8159	38	112	8159	Mp	Ss	drillers log	5721-6206	Described in PR 124
Uniontown	5	Peoples Nat. Gas Co.	6817	40	12	6874?	Dun	Dor?	drillers log	2504-5522	O-6667 Described in PR 124
Uniontown	6	New Penn Develop- ment Corp.	8450	37	0	6670	Mp	Don	drillers log		
Uniontown	7	New Penn Develop- ment Corp.	7862	45	0	7712	Mp	Dor			
Uniontown	10	Peoples Nat. Gas Co.	7272	41	1	7257	Dun	Dh			
Uniontown	11	New Penn Develop- ment Corp.	8002?	41	6235	8150?	Dhm	Dh?	drillers log		Lower & Middle Devonian sec- tions repeated by faulting

WELL DATA					SAMPLE DATA					Remarks, Published Descriptions, Etc.	
COUNTY Quadrangle & No.	Operator	Farm Name	Total Depth	Core Comp.	Depth Interval		Geologic Interval		Geophysical Data Drillers Logs		Missing Intervals
					From	To	From	To			
FAYETTE Uniontown	12 Peoples Nat. Gas Co.	Piedmont Coal Co. #5	7080	41	12	7080	Dun	Dh		398-404, 818-24, 1149-63, 1205-11, 1223-35, 2880-86, 3000-5600, 5960-70	Fault dupli- cates Tully Formation
Uniontown	23 Greensboro Gas Co.	W. R. Barton #1	7275	42	53	7270	Dun	Don			
Uniontown	24 Greensboro Gas Co.	W. R. Barton #4	7510	44	72	7510	Dun	Dh		85-132, 212-25, 365-75, 534-39, 1422-59, 1466-1648	
Uniontown	25 Greensboro Gas Co.	W.R. Barton #2	7868	42	60	7863	Mp	Don			
Uniontown	26 Greensboro Gas Co	W.R. Barton #3	7810	43	12	7810	Dun	Dor			
Uniontown	27 Greensboro Gas Co	W.R. Barton #5	7242	44	0	7231	Mp	Dh			
Uniontown	28 Manufacturers Light & Heat	W.R. Barton #6	7495	46	144	7495	Mp	Dh			
Uniontown	29 Manufacturers Light & Heat	W.R. Barton #7	7476	46	0	7483	Mp	Don			
Uniontown	31 Manufacturers Light & Heat	W.R. Barton #8	10,312	49	0	10,312	Mp	Ss	drillers log, gamma ray O-9550		

WELL DATA					SAMPLE DATA						Remarks, Published Descriptions, Etc.
COUNTY Quadrangle & No.	Operator	Farm Name	Total Depth	Year Compl.	Depth Interval		Geologic Interval		Geophysical Data Drillers Logs	Missing Intervals	
					From	To	From	To			
FAYETTE Uniontown 32	Manufacturers Light & Heat	Jesse S. Eutsey #1	7199	47	342	7199	Dun	Dor	drillers log		Described in separate
FOREST Sheffield 4	W.C.Wasson	E.Collins #1	5349	38	700	5346	Dun	Dh			
GREENE Rogersville 1	Manufacturers Light & Heat	S.C.Alley #3	7118	42	245	7113	Pw	Dh			
INDIANA Barnesboro 2	Chas.E. Fralich, et al	C. Lisowitz #1	8172	54	0	8150	Pc	Don			
Barnesboro 4	Felmont Oil Corp. et al	M. J. Shankel Est. #1	8343	55	0	8340	Pc	Dh	gamma ray 7280-8280, electric log 822-8317		
Elders Ridge 3	Manufacturers Light & Heat	G.L.Stewart & R & P Coal Co. #1	7498	56	0	7495	Pa	Dh	gamma ray 1090-7498, temp. log 7330-7493, section gauge 1090-7498	100-05, 593-603, 689-700, 1227-70, 1330-40, 1580-90, 2260-2300, 2390-2410, 2800-2950, 3520-50, 4690-4720, 4900-30, 5100-10, 5620-30, 6130-49, 6179-80, 6400-10, 6530-70, 6630-50, 6780-6810, 6980-90, 7050-7100, 7150-60	

Described in
separate

WELL DATA				SAMPLE DATA						Remarks, Published Descriptions, Etc.	
COUNTY Quadrangle & No.	Operator	Farm Name	Total Depth	Id Depth	Depth Interval		Geologic Interval		Geophysical Data Drillers Logs		Missing Intervals
					From	To	From	To			
INDIANA Elders Ridge 9	N.Y. State Nat. Gas	C.D. Peddicord #1	7650	57	7470	7650	Dhm	Dh	drillers log	7100-7200, 7703-10, 7790-95, 7845-65	Faulted?
Elders Ridge 33	Fairman Bros.	Woodrow Plymire #1	7877	58	6500	7870	Dun	Dor?			
Indiana 1	Chestnut Ridge Oil & Gas Co.	H. B. Strong, #1	8005	54	1216	7965	Mp?	Dh			
New Florence 7	Columbian Carbon Co.	Sam Hutchinson et ux, #1	8388	57	1520	8388	Dun	Dh	drillers log, gamma ray & temp. log 7300-8386, neutron log 8048-8386	1770-80, 2130-40, 3000-3100, 3800-3900, 5140-50, 5330-40, 6900-7000, 7130-40, 7300-10, 7840-50, 8165-8280	
Punxsutawney 4	Columbian Carbon Co.	Farmers & Miners Trust Co. #1	7717	55	0	7600	Pa	Dh	drillers log	991-1350, 2440-50 3090-3100, 5670-80, 5890-5900, 6020-30, 6700-40, 6830-40, 7400-10, 7480-7503	
Punxsutawney 5	Fairman Drilling Co.	Herbert Gernandt #1 (H.G. Stanley)	7687	55	40	7689	Pa	Dh		76-86, 509-19, 619-27, 802-15, 953-63, 1667-91, 2074-94, 2679-86, 3708-21, 7082-90, 7110-20, 7322-32	

WELL DATA					SAMPLE DATA					Remarks, Published Descriptions, Etc.	
COUNTY Quadrangle & No.	Operator	Farm Name	Total Depth	Core Depth	Depth Interval		Geologic Interval		Geophysical Data Drillers Logs		Missing Intervals
					From	To	From	To			
JEFFERSON Halliton	2	Humphrey Brick & Tile Co.	6076	49	0	6076	Mp	Ss	drillers log	May be located in Elk County	
	1	F. C. Deemer	7156	37	6003	7156	Dun	Ss			
	1	F. C. Deemer	8227	31	88	8215	Pp	Ss			
Punksutawney	6	Fairman Drilling Co.	7611	55	1235	7611	Dun	Dh	drillers log	Described in PR 127	
Punksutawney	7	Columbian Carbon Co.	8110	55	5770	8110	Dun	Dh	drillers log		
LACKAWANNA Pittston	1	L. R. Richards #1	8623	56	0	8623	Dek	Dh	drillers log		
LAWRENCE New Castle	1	Carnegie Nat. Gas Co.	4845	37	4598	4672	Don	Dh	drillers log	892-4536 <	

WELL DATA				SAMPLE DATA						Remarks, Published Descriptions, Etc.	
COUNTY Quadrangle & No.	Operator	Farm Name	Total Depth	Comp. Log Year	Depth Interval		Geologic Interval		Geophysical Data Drillers Logs		Missing Intervals
					From	To	From	To			
LUZERNE Schickshinny 1	John T. Galey	Mellie J. Harrison #1	5555	53	26	5536	Dun	Ss?	drillers log	79-109, 150-69, 195-211, 220-311, 373-405, 455-500, 510-35, 558-95, <u>630-807</u> , 994-1003, 1123-36, 1471-91, 1513-17, 1819-26, 2052-60, 2225-34, 2552-57, 3407- 15, 3526-36, 418-92, 4719-30	
LYCOMING Antrim (Hoytville) 8	California Co.	Byron Schneider #1	6642	53	678	6408	Dun	Dhn	gamma ray O-6635	1225-55, 2378-86, 2765-75, 3131-76 <u>4495-5013</u> , 6361-71	
Renova East 1	Slate Run Oil & Gas Co.	Grants Tomb #1	6390	53	13	3065	Dek	Dun		476-93, 2869-2900	
Trout Run 1	Godfrey L. Cabot, Inc.	E. E. Hughes #1	7571	52	46	7571	Dek	Dor		1105-15, 1251-57, 6513-35, <u>6560-6625</u> , 7021-31, 7085-7103, <u>7137-7284</u> , 7320-43, 7439-42	

WELL DATA					SAMPLE DATA					Remarks, Published Descriptions, Etc.	
COUNTY Quadrangle & No.	Operator	Farm Name	Total Depth	Year Compl.	Depth Interval		Geologic Interval		Geophysical Data Drillers Logs		Missing Intervals
					From	To	From	To			
LYCOMING Warrens ville 1	Delta Drilling Co.	Ambrose E. Ging #1	8118	54	1	7600	Dck	Ss?	drillers log, gamma ray 80-7337, microlog 6260-7337	25-43, 987-96, 1208-18, 2124-48, 2195-2210, 2270-80, 2420-50, 2660-90, 2740-55, 2790-2820, 3380-3400, 3440-70, 3820-40, 3850-70, 3900-20, 4010-30, 4230-50, 4440-70, 4530-50, 4600-30, 4680-4700, 4960-90, 5160-80, 5550-70, 5905-20	
Warrens ville 2	Harold R. Storey et al	Burkheart #1	6854	54	3687	6673	Dun	Dm		4302-4406, 5099-5437	
Williamsport 1	California Co. & Snee & Eberly	W.E.Snyder #1	5808	51	0	5800	Ob	MC?	drillers log	186-89, 546-63, 5303-07, 5725-33, 5756-68, 5772-79, 5784-94	
McKEAN Bradford 2	South Penn Oil Co	L.D.Wilson // 18	8002	48	0	8002	Dun	Or	drillers log gamma ray 20-5260, electric log 4650-7944		Described in separate
Kinzua	Hiawatha Oil & Gas Co.	E. A. Williams #1 (Hiawatha #2)	4448	40	500	4438	Dun	Seb	drillers log		Described in separate

WELL DATA					SAMPLE DATA						Remarks, Published Descriptions, Etc.
COUNTY Quadrangle & No.	Operator	Farm Name	Total Depth	Log Feet	Depth Interval		Geologic Interval		Geophysical Data Drillers Logs	Missing Intervals	
					From	To	From	To			
McKean Kinzua	3	Appalachian Development Corp.	L.E. Mallory & Son #1 (Warrant 3704)	4406	43	645	4405	Dun	Dor		Described in separate
Kinzua	4	Appalachian Development Corp.	Kinzua Valley Chemical Co #1	3845	43	438	3845	Dun	Dor		Described in separate
Kinzua	5	Hiawatha Oil & Gas Co.	L.E. Mallory & Son #1 (Hiawatha-Mallory)	4241	40	905	4240	Dun	Dor	<u>998-1103</u>	Described in separate
Kinzua	6	South Penn Oil Co	Warrant 3416 #4	4898	44	0	4898	Pp	Dor	<u>4680-4833</u>	Described in separate
Kinzua	8	Penn-Bradford Oil Co.	Central Pa. Lumber Co. #1	4746	39	210	4746	Dun	Seb	<u>3575-4000</u>	Described in separate
Kinzua	10	Healy Petroleum Co.	West Branch AW-4	4719	52	0	4723	Mp	Dor	gamma ray O-4719 electric log, 340-2499	
Kinzua	11	Thornton	Warrant 3410 #1	6940	57	4841	6938	Dun	Oq		
Mt. Jewett	1	Atlantic Seaboard Nat. Gas Co.	Benjamin Haywood #1	5269	34	930	5269	Dun	Ss	drillers log	Described in separate
Smethport	1	New Penn Development Corp.	Glenn Taylor #1	4701	39	100	4701	Dun	Ss	drillers log	Described in separate

WELL DATA					SAMPLE DATA					Remarks, Published Descriptions, Etc.	
COUNTY Quadrangle & No.	Operator	Farm Name	Total Depth	Log Feet	Depth Interval		Geologic Interval		Geophysical Data Drillers Logs		Missing Intervals
					From	To	From	To			
McKEAN Smethport 3	Allegany Gas	Chas. Nunn, et al #2	6615	45	0	6615	Dun	Oq	drillers log		Described in separate
Smethport 4	Potter Development Co.	M. Zerbe	5135	34	705	5095	Dun	Ss	drillers log	4288-4682	
MERCER Kinsman 15	Glenn Smith, et al	Dale Kyser #1	3374	52	0	3374	Mp	Dh		620-30, 960-68, 1252-60, 1347-55, 1550-80, 1790-1800, 2058-66, 2074-82, 2134-39, 2755-65, 3336-45,	
Mercer 1	E.A.Bream	S.H.Collins #12	5835	41	0	5720	Pa	Sc	drillers log		Unpublished partial descrip- tion
Shenango 2	Hickman & Hart	Herm K. Smith #1	4961	46	52	4961	Mp?	Cq	drillers log		
Shenango 3	Carnegie Nat. Gas Co.	A.S.McCullough #1	5485	39	342	5467	Mp	Sa	drillers log		Described in PR 127

WELL DATA					SAMPLE DATA					
COUNTY Quadrangle & No.	Operator	Farm Name	Total Depth	Year Compl.	Depth Interval		Geologic Interval	Geophysical Data Drillers Logs	Missing Intervals	Remarks, Published Descriptions, Etc.
					From	To				
MERCER Shenango 5	Melben Oil Co.	Emma McKnight #1	8210	56	45	8210	Op	drillers log, gamma ray & neutron 50-8210, electric log 4393-8210, microlog 7350-8210	61-68, 90-98, 105-112, 208-215, 227-231, 235-252, 283-289, 325-30, 439-45, 460-65, 673-81, 732-38, 812-18, 919-26, 945-54, 1060-68, 1586-94, 1712-21, 1728-38, 1782-88, 2124-31, 2150-58, 2188-95, 2248-55, 2330-48, 2468-72, 2484-93, 2501-09, 2537-72, 2580-96, 2605-70, 2870-80, 3000-10, 3150-60, 3190-3200, 3270-80, 3430-40, 3500-10, 3520-30, 3650-60, 3800-10, 4240-60, 4270-90, 4300-45, 4400-4540, 4540-4681 4681-4710, 5620-30, 6160-70, 6290-6310, 6840-70, 6880-90, 7350-7510, 7650-60, 7715-17, 7721-22, 7770-75, 7860-65, 7870-75, 8150-55, 8165-70	Described in separate; cores available: 6841-6892 7356-7490

WELL DATA				SAMPLE DATA						Remarks, Published Descriptions, Etc.	
COUNTY Quadrangle & No.	Operator	Farm Name	Total Depth	Core Feet	Depth Interval		Geologic Interval		Geophysical Data Drillers Logs		Missing Intervals
					From	To	From	To			
MERCER											
Stoneboro 1	Mercer Oil & Gas (Beals & McCand- less)	J. Paul Miller #1	5586	45	3334	5586	Dun	Oq	drillers log		Unpublished sample descrip- tion 38-8892
Stoneboro 2	United Nat. Gas	Lowrie Henderson #1	4245	48	342	4245	Dun	Don			
Stoneboro 3	United Nat. Gas	Maude Davidson #1	8892	45	4039	8892	Dhm	Ob	drillers log		
Stoneboro 4	United Nat. Gas	Earl B. Minnis #1	5688	42	9	5688	Pp	Oq	drillers log		
Youngstown 4	Sharon Steel Corp	Chas Cromarti #1	5127	52	225	5120	Mp	Sa	drillers log	240-45, 3040-45, 3191-96, 3494-99, 4024-29	
NORTHUMBERLAND											
Shamokin 1	Angas Corp.	Russel Fox #1	1819	54	12	1819	Dhm	Stw		518-28, 538-49, 943-50, 956-65, 1114-23	Skeletal sample description unpublished
Shamokin 2	Angas Corp.	Geo. C. Krick #1	1384	55	125	1380	Dhm	Sk		154-64	Unpublished skeletal sample description
PIKE											
Milford 1	Transcontinental Production Co.	Walker Hess #1	7570	58	117	7536	Dck	Dh	drillers log, gamma ray- neutron log 40-7563	2753-73, 3248-70, 4650-56, 5274-87	

WELL DATA				SAMPLE DATA						Remarks, Published Descriptions, Etc.	
COUNTY Quadrangle & No.	Operator	Farm Name	Total Depth	Age of Core	Depth Interval		Geologic Interval		Geophysical Data Drillers Logs		Missing Intervals
					From	To	From	To			
POTTER Conrad (Short Run)	2	Sylvania Corp. Lyman & Wynkoop #1	5685	46	35	5685	Dck	Dh	drillers log	6279-6463 Described in Bull. M30	
Conrad	4	Allegany Gas Co. et al Pa. State Lands #1 Warrant 4689-1	6463	48	0	6463	Dck	Sk	drillers log		
Conrad (Short Run)	6	East Penn Develop ment Co. Emporium Lumber Co #1	6437	33	25	6425	Dck	Dh	268-75	Described in Bull. 106 an Bull. M30	
Conrad (Short Run)	8	G. L. Cabot, Inc. Central Pa. Lumber Co. #1	6337	40	27	5540	Dck	Dhm		27-1907 Described in Bull. M30	
Conrad (Short Run)	15	G. L. Cabot, Inc. C.R. Peters Unit #1	6230	47	0	6229	Dck	Dor		6135-6230 Described in Bull. M30	
Conrad (Short Run)	16	G. L. Cabot, Inc. Central Pa. Lumber Co. #4	6348	42	6301	6349	Don	Dor		6301-6348 Described in Bull. M30	
Conrad (Short Run)	17	G. L. Cabot, Inc. Central Pa. Lumber Co. #5	6439	47	0	3322	Dck	Dun			
Conrad (Short Run)	19	G. L. Cabot, Inc. State of Pa. #6	6283	48	70	6075	Dck	Dhm			

WELL DATA					SAMPLE DATA				
COUNTY Quadrangle & No.	Operator	Farm Name	Total Depth	Geologic Interval	Depth Interval		Geophysical Data Drillers Logs	Missing Intervals	Remarks, Published Descriptions, Etc.
					From	To			
POTTER									Described in separate & Bull. M30
Conrad (Short Run)	20	G. L. Cabot, Inc.	6314	48	0	6307	Dek	Dor	
Conrad (Short Run)	23	G. L. Cabot, Inc.	6354	48	172	6354	Dek	Dor	
Coudersport	2	Belmont Quadrangle Drilling Co.	4736	38	50	4734	Dun	Dor	
Coudersport	24	Empire Producing	4967	39	129	4965	Dun	Dor	
Coudersport	54	Appalachian De- velopment Corp	5530	47	506	5525	Dek	Dor	
Emporium	1	Potter Development	8482	38	4285	6062	Dun	Ss	
Gaines	1	G. L. Cabot, Inc.	5332	38	611	5218	Dun	Dhm	
Gaines	19	Lycoming Nat. Gas	4755	34	10	4749	Dun	Dor	
Gaines	36	United Nat. Gas Co.	6001	49	3932	6000	Dun	Dhm	
Gaines	54	North Branch Development	5609	39	18	5609	Dek	Ss?	
Galeton	6	Bug Drilling Co.	6505	52	5258	6505	Dun	Ss	5286-98, 5450-80
Galeton	8	E. P. Sheridan, et al	6201	52	6135	6192	Dhm	Dh?	

WELL DATA					SAMPLE DATA					Remarks, Published Descriptions, Etc.	
COUNTY Quadrangle & No.	Operator	Farm Name	Total Depth	Core Depth	Depth Interval		Geologic Interval		Geophysical Data Drillers Logs		Missing Intervals
					From	To	From	To			
POTTER Galeton	9 Carter Camp Development Co.	Zopher Benson #2	5655	52	4730	5573	Dt	Dor		941-53, 4547-49, 4719-32, 4801-12, 4836-49, 5145-80, 5279-98, 5304-20, 5388-5410, 5672-89, 6144-6243 , 6437-76	
Galeton	13 N.Y.State Nat. Gas Corp.	Pa. Tract 16, #1	6770	52	528	6617	Dun	Dhm			
Galeton	26 N.Y.State Nat. Gas Corp.	Pa. Tract 71, #1	6539	57	6482	6539	Dhm	Dor	drillers log		
Genesee	7 G.L.Cabot, Inc.	Michael Moran #1	4920	39	20	4910	Dun	Dor			
Genesee	66 Hammondsport Oil & Gas	W. L. Gale #1	5744	32	120	5742	Dck	Dor			
Genesee	86 Lycoming Nat Gas	Ernest Meister #1	5353	34	10	5330	Mp?	Dor			
Genesee	88 Allegany Gas	Mamie Cole #1	6402	40	5006	6402	Dhm	Dor			
Genesee	105 G.L.Cabot, Inc.	Wm. B. Hemphill #1	5433	41	10	5432	Mp?	Dor			
Genesee	114 G.L.Cabot, Inc.	R.R.Lewis #1	5218	35	0	5057	Dck	Dor			
Genesee	118 G.L.Cabot, Inc.	John Stone #1	5026	40	0	5025	Dck	Dh			
Renovo West	116 N.Y.State Nat.Gas	Pa. Tract 16, #4	6418	51	10	6395	Dck	Dor		1505-14, 2345-62, 3165-3850 , 4500-16, 5450-68, 5617-27, 6245-62, 6361-74	

WELL DATA					SAMPLE DATA						Remarks, Published Descriptions, Etc.
COUNTY Quadrangle & No.	Operator	Farm Name	Total Depth	Year Compl.	Depth Interval		Geologic Interval		Geophysical Data Drillers Logs	Missing Intervals	
					From	To	From	To			
SNYDER Mifflinburg 3	Middle Creek Valley Prospecting Co.	Albert #1	5965	56	15	5965		Dhm	Srh	108-21, 405-13, 485-92, 1716-20, 2276-81, 2487-2514, 2524-36, 3192-3202, 3263-73, 3559-65, 4320-33, 4345-52, 5138-52, 5658-63, 5700-32, 5827-34,	Described in separate
SOMERSET Donegal 18	Peoples Nat. Gas	Pa. Tract 75 #1	7936	58	40		Mp		drillers log, gamma ray- neutron log 100-7924		Complete samples not yet collect- ed
Frostburg 1	Peoples Nat. Gas	M.V. Newman #1	6307	53	0	6307	Dun	Sk?	drillers log	50-55, 700-07, 2909-21	
Windber 1	Peoples Nat. Gas	R.F. Grove #1	9369	49	20	9369	Pa	Dor	drillers log		Unpublished sample description

WELL DATA					SAMPLE DATA					Remarks, Published Descriptions, Etc.
COUNTY Quadrangle & No.	Operator	Farm Name	Total Depth	Core Depth	Depth Interval		Geologic Interval	Geophysical Data Drillers Logs	Missing Intervals	
					From	To				
SULLIVAN Eaglesmere 1	California Co.	Arthur W. Bennett #1	12,343	51	11	12,334	Dek Oj	drillers log, electric log 50-12,317; laterolog 2830-12,310	900-10, 1140-50, 1540-50, 1650-60, 1790-1800, 2090-2110 2150-60, 2180-90, 2360-70, 2310-20, 2380-90, 2600-10, 2720-30, 2740-80, 2800-20, 2970-80, 3050-90, 3780-90, 5680-90, 5330-40 6390-6400, 6730-50, 6800-10, 6840-60, 7000-10, 7380-90, 7450-60, 7840-50, 8350-8400, <u>8440-8700</u> 8740-50, 8790-8800, 9080-90, 9300-10, 9450-60, 10,120-130, 10640-650, 11530-540 11920-950, 12070-080	Cored intervals available: 2345-60, 3542-61 6535-51 7371-90 8259-8404 8439-8700 10,021-041 10,675-696 11,915-959 12,334-343
Powell 2	Blue Rock Drilling Co	Bernard Bruschart #1	7192	55	15	7192	Dun Dor			
SUSQUEHANNA Lehaysville 2	Gas Well Supply	Kelley #1	5511	57	634	5509	Dek Don		1046-57, 1824-34, 1962-68, 2500-08, 4816-27, 5394-5400	
Lehaysville 3	Gas Well Supply & Kewanee Oil	Kelley- Hendrickson #1 A	5874	57	3326	5874	Dun Dh	drillers log	4249-85, 4785-4825 5237-57, 5295-5305, 5416-20	

WELL DATA				SAMPLE DATA						Remarks, Published Descriptions, Etc.	
COUNTY Quadrangle & No.	Operator	Farm Name	Total Depth	Core Feet	Depth Interval		Geologic Interval		Geophysical Data Drillers Logs		Missing Intervals
					From	To	From	To			
TIOGA	4 Antrim (Hoytville)	Lycoming Nat. Gas	5663	32	100	5663	Dun	Dh			Described in separate
	5 Antrim (Hoytville)	W. E. Snee, et al	5352	32	701	5352	Dun	Dh		<u>1093-1860</u>	
	7 Antrim (Hoytville)	Bug Drilling Co.	5639	52	0	5639	Dun	Dh		767-777	
	17 Elkland	Lycoming Nat. Gas	4037	31	236	4031	Dun	Dor			
	39 Gaines	North Branch Development	C. D. Ackley #1	4505	38	13	4505	Dun	Dh	gamma ray 0-4511	
	2 Galeton	N. Y. State Nat. Gas	5424	38	10	5421	Dun	Dh?			
	12 Galeton	Bug Drilling Co.	7316	53	50	7314	Dek	Dh?		80-180, 250-80, 344-80, <u>2670-5545</u> , 5645-75, 6815-40, <u>6900-50</u>	
UNION	1 Sunbury	G. L. Cabot, Inc.	8002	55	28	7965	St	Ob	drillers log, gamma ray 25-8002	645-54, 2853-65, <u>4133-4648</u>	Described in Bull. M25 4112-5055
VENANGO	1 Oil City	C. E. B. McHenry et al	5055	38	4112	5055	Dun	Ss	drillers log		
	2 Townville	Hathaway Bros.	4096	44	2	4096	Mp	Dor			

WELL DATA					SAMPLE DATA						Remarks, Published Descriptions, Etc.	
COUNTY Quadrangle & No.	Operator	Farm Name	Total Depth	Log Depth	Depth Interval		Geologic Interval		Geophysical Data Drillers Logs	Missing Intervals		
					From	To	From	To				
WARREN Corry	16	Mid-East Oil Co.	Orin Smith #1	5316	53	0	5316	Mp	Cq	drillers log	333-41, 1207-19, 2033-43, 2264-74, 3594-3606, 3721-35, 3941-61, 3911-22, 3961-71, 3971-81, 5186-5223	Described in separate O-4830 Described in separate Described in GSA Vol. 44, No. 3
Kinzua	1	Appalachian Development Corp.	E. A. Williams #1	3542	44	0	3542	Dun	Dh	drillers log		
Kinzua	9	Sylvania Corp.	M. W. Jamieson #1	4830	37	1447	4824	Dun	Dh	drillers log		
Tidioute	1	Fidelity Petroleum Corp.	Ulf #1	5818	28	504	5757	Dun	Sa			
Tidioute	2	Flanigan	J. Bowman Proper #1	6004	55	0	5953	Mp	Sa	drillers log, gamma ray O-6004		
Tidioute	3	Biery & Johnson	Shaw #1	9410	57	120	9410	Mp	Cg	drillers log, gamma ray- neutron log 4100-9398, temp. log 4175-5015	4472-75, 4731-36, 4778-96, 4810-18, 4899-4907, 5125-5701 5842-48, 5990-92, 6222-28, 6454-63, 7198-7206, 7621-30, 7966-73, 8651-61, 8997-99	
Titusville	1	Northern Ordnance Inc	Reeves #1	5595	45	0	5595	Mp	Cq	drillers log		

WELL DATA					SAMPLE DATA					Remarks, Published Descriptions, Etc.	
COUNTY Quadrangle & No.	Operator	Farm Name	Total Depth	Year Comp.	Depth Interval		Geologic Interval		Geophysical Data Drillers Logs		Missing Intervals
					From	To	From	To			
WARREN Warren	1 C.E.Updegraff, et al	Charles Erickson #1	5630	38	420	4415	Dun	Ss	drillers log		Described in separate 420-4415
Warren	2 Potter Develop- ment Co.	Lessor & Launer #1 Lot 49	4928	37	3995	4928	Dun	Ss	drillers log		
Warren	3 H.C.Drilling Co.	Lessor & Launer #1 Lot 60	4689	36	0	4540	Mp	Dhm			
Warren	5 Belmont Quad- rangle Drilling Co.	Anne C. Marck et al #1	4372	37	1255	4381	Dun	Dh			Described in separate
Warren	7 L.B.French, et al	South Penn Oil Great Lot #74	4668	53	469	4663	Dun	Dh		624-32, 1418-35, 1850-62, 2441-50, 3528-44, 4488-4500	
Youngsville	1 T.M.Pettigrew, et al	Anderson #1	4435	47	416	4435	Dun	Oq	drillers log		
Youngsville	2 Potter Develop- ment Co.	Spetz #1	5165	37	100	5080	Dun	Sa	drillers log		100-4737 and 5028-5133 Described in separate
Youngsville	4 Pa. Gas Co.	Mrs. Carl Keester #1	4898	57	935	4998	Dun	Oq	drillers log	1134-48, 1271-83, 1322-32, 3351-57, 3498-3563, 3575-80, 3602-50, 3677-83, 4393-95, 4470-79, 4766-69	

WELL DATA					SAMPLE DATA					Remarks, Published Descriptions, Etc.	
COUNTY Quadrangle & No.	Operator	Farm Name	Total Depth	Log Depth	Depth Interval		Geologic Interval		Geophysical Data Drillers Logs		Missing Intervals
					From	To	From	To			
WASHINGTON Burgettstown 1 Burgettstown 2 Burgettstown 3 Burgettstown 4 Claysville 1	Texas Co.	A. Skiraba #1	6244	44	99	6244	Pn	Dor	drillers log	326-35, 732-43, 1222-42, 1881-2229, 2242-2414, 2693-2769 2791-2801, 2937-3050 3350-63, 3368-76, 3741-54, 3856-72, 3908-48, 3969-97, 4239-49, 4355-65, 4459-69, 4474-84, 4810-27, 4924-43, 5221-31, 5419-34, 5475-83, 6225-33, 6258-68, 6482-97, 6703-14, 6824-90	Described in PR 127
	Peoples Nat. Gas	R. A. Geary #1	7248	17	6265	6525	Dor	Dh			
	Texas Co.	J. E. McCullough	6485	45	20	6485	Pw	Dor			
	Norwood P. Johnson, et al	A. T. McBurney #1	7050	38	0	7050	Pn	Sk?			
	Washington Oil Co.	Sutherland & Kelly	7184	54	290	7184	Pn	Dh			
WAYNE Damascus 1	Transcontinental Production Co.	Clarence Price #1	8740	58	0	8740	Dck	Dh?	drillers log	351-57, 2656-60, 2888-3338, 2214-15, 2276-78, 2323-25	Faulted ?
WESTMORELAND Connellsville 1	Peoples Nat. Gas	Jacobs Creek Oil Co. #1	8082	42	13	8080	Pp	Dh			

WELL DATA					SAMPLE DATA					Remarks, Published Descriptions, Etc.
COUNTY Quadrangle & No.	Operator	Farm Name	Total Depth	Year Comp.	Depth Interval		Geologic Interval	Geophysical Data Drillers Logs	Missing Intervals	
					From	To				
WESTMORELAND Donegal	1	Peoples Nat. Gas	William Piper #1	8552	49	14	8552	Pp Dh	drillers log	2962-94, 2994-3060, 3150-60, 3196-3210, 5916-22 360-65, 401-11, 738-1470, 1760-70, 3580-90, 4310-30, 4740-50, 5020-30, 5190-5200, 5850-60, 5770-90, 6280-90
	3	Peoples Nat. Gas	A.J. Dotterway #1	8901	53	14	8900	Pp Don	drillers log	
	4	Peoples Nat. Gas	J.R. Froila #1	8465	53	1045	8465	Dun Dh	drillers log	
	14	Peoples Nat. Gas	Carl E. Shultz #1	7435	57	7165	7435	Dun Dor	drillers log	
Donegal	17	Peoples Nat. Gas	John H. Dent #1	7525	58	0	7520	Pp Don		
Donegal	8	Peoples Nat. Gas	J.G. Mailey #1	7478	56	60	7267	Muo Don	drillers log, gamma ray- neutron log 100-7478 320-990, 1000-1020, 1190-1200, 1500-10, 1890-1900, 2000-20, 2030-40, 2090-2110, 2160-2420, 2430-50, 2560-70, 4040-50, 4560-70, 4720-30, 6400-6520, 6530-60, 6570-80	

WELL DATA					SAMPLE DATA					Remarks, Published Descriptions, Etc.	
COUNTY Quadrangle & No.	Operator	Farm Name	Total Depth	Year Compl.	Depth Interval		Geologic Interval		Geophysical Data Drillers Logs		Missing Intervals
					From	To	From	To			
WESTMORELAND Donegal	16 Peoples Nat. Gas	Irah (M.I.) Keck #2	7722	58	90	7720	Pp	Dh		520-30, 640-50, 1790-1200, 2040-2190 2240-50, 2370-2500, 2640-4200, 4310-20, 4830-40, 4880-4900, 5260-70, 5460-70, 5620-40, 7120-30, 7350-60, 7505-10, 7560-70, 7680-90, 7640-50	Described in Atlas A57
Latrobe	1 Peoples Nat. Gas	Camilla F. Giffen #3	8174	46	0	8174	Mp	Ss	drillers log		
Latrobe	2 American Locomo- tive Co.	L. C. Steiner #5	8625	46	22	8625	Pc	Ss	drillers log		
Latrobe	3 Peoples Nat. Gas #1699	Saeger Bros. #1	6989	24	1065	6938	Dun	Dhm	drillers log		
Latrobe	4 Peoples Nat. Gas #1588	Booth & Flynn #1	6863	20	422	6822	Mp	Don	drillers log		
Latrobe	5 Peoples Nat. Gas #1842	Booth & Flynn #2	7756	31	2365	7635	Dun	Ss	drillers log		

WELL DATA					SAMPLE DATA					Remarks, Published Descriptions, Etc.	
COUNTY Quadrangle & No.	Operator	Farm Name	Total Depth	Year Compl.	Depth Interval		Geologic Interval		Geophysical Data Drillers Logs		Missing Intervals
					From	To	From	To			
WESTMORELAND Latrobe 6	Mid-East Oil & Gas Co.	Frank Litvik #1	7977	54	0	7977	Pc	Dh		190-200, 580-90, 680-90, 1070-80, 1430-40, 1520-30, 2950-60, 3090-3110, 3800-10, 3850-60, 4130-40, 4260-70, 4940-50, 5030-40, 5560-70, 5650-60, 5710-20, 6160-70, 6480-90, 6570-80, 6860-70, 7080-90, 7160-70, 7290-7300, 7610-20, 7720-40	
Latrobe 7	Peoples Nat. Gas	J. A. Mills #1	8255	54	12	8255	Pc	Dh	gamma ray 50-8236, electric log 1850-8250	1814-29, 3357-67, 6618-23, 6910-15, 7180-90, 7220-30, 7320-30, 7420-30, 7510-20, 7550-70, 7575-85, 7595-7600, 8035-45	
New Florence 1	Peoples Nat. Gas	Camilla F. Giffen #4	9200	50	0	9157	Mp	Dh	drillers log		Fault and over- turned fold re- peats Don 3 times - See Atlas A-57
New Florence 2	Peoples Nat. Gas	Camilla F. Giffen #1	8050	44	1100	8049	Mp	Dhm?		1483-93	O-1100 Described in Atlas A-57 Faults @ 7990 8038
New Florence 3	Peoples Nat. Gas	Camilla F. Giffen #2	7467	45	0	7375	Mp	Dun			O-951 Described in Atlas A-57; faulted

WELL DATA					SAMPLE DATA						Remarks, Published Descriptions, Etc.
COUNTY Quadrangle & No.	Operator	Farm Name	Total Depth	Core Log	Depth Interval		Geologic Interval		Geophysical Data Drillers Logs	Missing Intervals	
					From	To	From	To			
WESTMORELAND New Florence 4	Potter Develop- ment, et al	Margaret Glass (Indiana Sav- ings & Trust) #1	7726	37	120	7726	Mp	Dor			Described in Atlas A-57
	Somerset 1	New Penn Develop- ment Co.	9024	43	0	9024	Mp	Dh	drillers log	6713-22, 6313-17, 7261-99, 7815-8177	
	Somerset 2	Snee & Eberly & Peoples Nat. Gas Co.	John Beck #2	7540	57	0	7411	Mp	Dhm		
WYOMING Meshoppen 1	John H. Riebold	John Sheehan #1	8524	53	8	7815	Dun	Don	drillers log	1723-41, 1751-57, 2695-2775, 2655-80, 3055-3100, 3120-75, 3186-3385, 3405-45, 3510-25, 3580-3610, 3630-55, 3735-4450, 4450-75, 4905-65, 4982-5014, 5375-5795, 5808-80, 7210-7561, <u>7563-7630, 7650-7800</u>	

DEEP WELL SAMPLES FROM BORDERING STATES

WELL DATA				SAMPLE DATA			
STATE	COUNTY	Township	Operator	Farm Name	Total Depth	Year Completed	Remarks, Published Descriptions, Etc.
						Depth Interval From To	Deepest Formation
NEW YORK	ALLEGANY	Alfred	Empire Gas & Fuel	Frank: Cornelius #1	4493	? 4421 4491	Dor
	Belfast		Pa. Natural Gas	R.C.Ford #1	3450	pre 136 945 3380	Dor
	Bolivar		Allegany Gas	J.H.Gadsby #1	4973	? 4298 4973	Dor
	Friendship		Empire Gas & Fuel	George Hackett #1	4371	? 4253 4371	Dor
	Scio		Pa.Natural Gas & Mutual Development	Black #1	4103	pre 136 2935 4103	Dor
	Willing		Sinclair Refining	Josephine Ryan #1	4842	pre 136 626 4837	Dor
	Willing		Belmont	Van Campen #1	4758?	pre 136 897 4773	Dor?
BROOME	Vestal		Troy Chemical Co.	Chase #1	4412	33? 510 2755	Dun
CATTARAUGUS	Allegany		J.Brooke Reed	Ryder-Scott #1	4370	34 2939 3817	Dhm
	Conewango		Dusenberry, Yahn & Messer	Oscar Sea #1	4318	53 160 4311	Oq
	Olean		J.Brooke Reed	Quinlan #1	4296	33 4084 4295	Dh
							15-4370 described in separate
							30-4296 described in separate; gamma-ray & temp. log 3700-4308, neutron log 4000-4308

WELL DATA					SAMPLE DATA				
STATE	COUNTY	Township	Operator	Farm Name	Total Depth	Year Compl	Depth Interval	Deepest Formation	Remarks, Published Descriptions, Etc.
NEW YORK	CATTARAUGUS	Randolph	Arkansas Fuel Oil Co.	Hotchkiss #1	4684?	25	From 20 To 4695	Ss	
			Blue Rock Drilg. Co.	Wilson Lot 12	4079	53	3921 4074	Dh?	gamma-ray log 100-1046
			Reserve Oil Co.	J.C. Mahaney #1	6166	31	1026 6156	Little Falls Dolomite	5054-6166 described in AAPG, vol. 32, no. 8
			T.M. Pettigrew	Arthur Donelson #1	4150	47	578 632 3248 3737	Ss	
CHAUTAUQUA	Busti	Mina	Appalachian Development	Ernest Stetson #1	2562	?	266 2562	Dh?	
			Northwest Development Co.	Randall #1	3895	32	2720 3000	Ss	
CHEMUNG	Big Flats	Catlin	Elmira Nat. Gas	Berthod #1	3433	pre 36	855 3218	Dor	
			Pitman, et al	Willis #1	3135	pre 36	190 3134	Dor	
			Nat'l Exploration Development Co.	Wheaton #1	3022	52	0 3822	Ss	
			Dearth et al	Archie Turner #1	3025	pre 36	695 2787	Dor	

WELL DATA					SAMPLE DATA			
STATE	COUNTY	Township	Operator	Farm Name	Total Depth	Depth Interval	Deepest Formation	Remarks, Published Descriptions, Etc.
						From	To	
NEW YORK DELAWARE	Franklin	Concord	E.S.Varner, et al	Hazlett #1	4570	200	2879	Dhm?
			Iroquois Gas Corp.	Iroquois Gas #796	2908	42	2908	Oq described in separate
			Iroquois Gas Corp.	Iroquois Gas Corp.#807	1474	25	1474	Oq described in separate
ONTARIO	Canandaigua	Phelps	J.Prooke Reed	C.R.Brown #1	1551	34	1551	Oq
			H. Burns, et al	Mowers #1	1079	138	1079	Sl
SCHUYLER	Dix	Hector	Belmont Quad. Drlg. Co.	Federal Land Bank #1	6600	2202	6600	Oos 2202-6600 described in separate
			Burdette Oil & Gas	C.Kellogg #1	3043	440	3037	Ss?
Tyrone	Tyrone	Tyrone	Belmont Quad Drlg Co.	Best #2	4459	1612	4459	Oq
			Lycoming Nat.Gas	Crosby #1	1718	180	1716	Dor
STEUBEN	Campbell	Canisteo	Peterman, et al	Pooley #1	2947	860	2947	Dor
			Freeman & McIntyre	Porter #1	4135	2550	4135	Dor
Dansville	Dansville	Dansville	Eastern States Gas	Walter Eichhorn 1	3369	3225	3324	Don

WELL DATA				SAMPLE DATA				
STATE COUNTY Township	Operator	Farm Name	Total Depth	Core Depth	Depth Interval		Deepest Formation	Remarks, Published Descriptions, Etc
					From	To		
NEW YORK STEUBEN Dansville	Eastern States Gas	J. Magin #1	3550	pre 36	450	3550	Ss?	
	Godfrey L. Cabot	Ellen Collins #1	6825	41	162	6795	Oq	
	Empire-Keystone	L. Lilley #1	3838	pre 36	541	3838	Dor	
	Wittmer Oil & Gas	Warner #1	4558		150	4553	Dor	
	Wittmer Oil & Gas	Silar Kellogg #1	4164	34	4142	4149	Dor	
	Rex Nat. Gas	J.H. McCormick #1	4946	pre 36	20	4945	Dor	
	Empire Gas & Fuel	Laura Gotts- hall #1	3656	?	3467	3656	Dor	
	Wittmer Oil & Gas	Broughton #1	4003	pre 36	2140	4003	Dor	
	Belmont Quad. Drlg Co.	Clara Betting- er #1 ser. 25	4205	?	766	4190	Dor	
	Jeckels, et al	B. Wood #1	2059	pre 36	400	2059	Ss?	
Urbana	General Foods	C.D. Champlin H-2	4507	46	25	4333	Sa	
Woodhull	North Penn Gas et al	Ray Herrington #1	8626	37	42	8625	Oss	

WELL DATA					SAMPLE DATA			
STATE COUNTY Township	Operator	Farm Name	Total Depth	Year Compl	Depth Interval		Deepest Formation	Remarks, Published Descriptions, Etc.
					From	To		
NEW YORK TIOGA Owego	Susquehanna Nat. Gas	Pompeii #1	4130	31	1000	4130	Dh-Sob	
TOMPKINS Landing	Reserve Oil Co.	J. Farkas #1	6210	32	1367	6210	Ot	unpublished sample description 3972-6210
WYOMING Arcade	K.R. Wilson	K.R. Wilson #1 (Arcade well)	7144	46	1440	7144	Potsdam	1750-2291, 3235-7144 described in separate
YATES Barrington	Interstate Nat. Gas	Weldy #1	2106	pre 36	100-	2096	Dor	
OHIO ASHTABULA Harperfield	Magnolia Petrol- eum	Breyley Bros #1	3341	40	195	3341	Oq	described in W.Va. Geol. Surv. vol. XVII.
Richmond	Ohio Oil Co.	Hatton Bros. #1	3841	41	0	3035	Ss?	
BELMONT Smith	Nat. Gas Co. of W.Va.	E.A.(T.) Mobley #8	7887	41	675	7887	Oq	described in W.Va. Geol. Surv. vol. XVII.
COLUMBIANA Knox	Ohio Oil Co.	J.F. Barnett #1	3596	44	296	3595	Dor	
Knox	Ohio Oil Co. & Smith-Galey	R. Denny, et al #1	5400	49	10	3608	Dor	
Wayne	Nat. Gas Co. of W.Va.	D. Deselleem #1	6477		1972	6477	Oq	

WELL DATA

SAMPLE DATA

STATE COUNTY Township	Operator	Farm Name	Total Depth	Year Compl	Depth Interval		Deepest Formation	Remarks, Published Descriptions, Etc.
					From	To		
OHIO COSHINGTON Jackson	South Penn Nat. Gas Co.	Zobbra-Woody #1	3913	43	3702	3774	Lower Silurian?	
GUYAHOGA Highland Hts.	Benedum Trees Oil Co.	Wise #1	2818	39	275	2817	sa	many sample intervals of 50 feet
Mayfield Hts.	Benedum Trees Oil Co.	Greenwood #1	3886	40	2700	3886	Og	
GEAUGA Chardon	East Ohio Gas Co.	C.W. Grille #1	6101	41	716	6101	Prepea- lean	
Chardon	Benedum Trees Oil Co.	S. Mather #1 (J.L. Conner #1)	4313	39	153	4173	Ou	
GUERNSEY Adams	Ohio Oil Co.	Robt. H. Marshall #	4902	41	0	4902	Og	described in W. Va. Geol. Surv. vol. XVII.
Jackson	Preston Oil Co.	J.H. Fulton #1	3689		3512	3519	Dun	
HARRISON German	Columbian Carbon	George Miller #1	5250	39	430	4035	Oh	described in W. Va. Geol. Survey vol. XVII.
Stock	Texas Co.	E.A. Mizer #1	6301	44	29	6301	Og	
LOGAN McArthur	Ohio Oil Co.	Virgil Johns Unit #1	3361	47	15	3365	Pre- Cambrian	

WELL DATA				SAMPLE DATA				
STATE COUNTY Township	Operator	Farm Name	Total Depth	Year Bore	Depth Interval		Deepest Formation	Remarks, Published Descriptions, Etc.
					From	To		
OHIO LORAIN Pittsfield	Hanley & Bird	Grant W. Pitts #1	4230	46	3550	4230	Obr ?	
MAHONING Austintown	East Ohio Gas Co.	A.M. Lloyd #1	3555	46	0	596	Dun	
Berlin	Magnolia Petrol- eum Co.	Fields #1	5206	40	105	5206	Og	described in W. Va. Geol. Surv. vol. XVII.
Coltsville	Tri-State Gas	T.W. Baird	4048	?	250	4028	Dor?	
Poland	H.C. Phillips, et al	R. & B. Fenton #1	4047	?	60	4047	Dh	
MEIGS Olive	Sinclair-Prairie Oil Co.	Longworth #1	7466	43	10 6731	905 7466	Ot	
MUSKINGUM Salt Creek	Industrial Gas Corp.	Sidney Whit- mire #	6740	46	4256	6740	Obr?	
NOBLE Elk	John Galey	Ullman #1	4728	41	0	4728	Dh	described in W. Va. Geol. Surv. vol. XVII.
STARK Lake	C.W. White	I. J. Hyler #1	4584	39	1	4570	Sc	described in W. Va. Geol. Surv. vol. XVII.
SUMMIT Green	E. Obermiller	G. Burgoon #1	2975	40	0	2966	Dh	described in W. Va. Geol. Surv. vol. XVII.

WELL DATA				SAMPLE DATA				
STATE COUNTY Township	Operator	Farm Name	Total Depth	Core Feet	Depth Interval		Deepest Formation	Remarks, Published Descriptions, Etc.
					From	To		
OHIO TRUMBULL Gustavus Mecca Vernon TUSCARAWAS Dover	S.M. & J.R. Vincent	J.E. McCamey	4449	32	2663	4442	Og	
	Norwood Johnson	J.M. Porter	4151	38	3490	4151	Og?	
	Hickman & Hart	Earl Hipkins #1	4845	46	3716	4845	Og	
	Brendel Prod.Co.	Robt. Clay #3 (Robinson Clay Prod #3)	4623	40	2170	4623	Og?	
WASHINGTON Independence	Sylvania Prod.Co.	Knowlton 1-B	7889	33	5667 7815	5672 7889	Og	
	Sinclair-Prairie Oil Co.	Rosanna Hill #1	5205	44	51	5202	Dh	described in W.Va. Geol. Surv. vol. XVII.
WEST VIRGINIA CLAY Otter	Pittsburgh & W. Va. Gas Co.	Jesse Chapman #1	6451	38	48	6451	Dh?	
	J.T. Galey, et al	H. Balser #1	4619	?	0	4619	Dor?	
HANCOCK Clay Clay	J.T. Galey	Ramsey #2 (#1?)	4829	42	4330	4831	Dh	described in W.Va. Geol. Surv. vol. XVII.
Grant	J.T. Galey	Rachel E. Talbot #1	5015	37	0	5015	Dor	
JACKSON Grant	Joe Rubin	C.W. Andricks #1	5100	40	535	5100	Dh	described in W.Va. Geol. Surv. vol. XVII.

WELL DATA				SAMPLE DATA			
STATE	Operator	Farm Name	Total Depth	Year Compl	Depth Interval From To	Deepest Formation	Remarks, Published Descriptions, Etc.
COUNTY							
Township							
WEST VIRGINIA							
JACKSON							
Grant	Joe Rubin	Henry Morrison #1	4841	40	90 4889?	Dh	described in W.Va. Geol. Surv. vol. XVII.
Ravenswood	Rubin & Johnson	D.P. Curry #1	4721	39	190 4721	Dor	
Ravenswood	Joe Rubin	J.T. & A.D. Curry #1 (Curry Dodd)	4965	41	495 4966	Dor	described in W.Va. Geol. Surv. vol. XVII.
Ravenswood	Joe Rubin	Jackson Co. Bank #1 (Rubin)	4950	41	115 4950	Dor	described in W.Va. Geol. Surv. vol. XVII.
Ravenswood	Joe Rubin	H.O. Maddox #1	5036	41	2701 5001	Dor	described in W.Va. Geol. Surv. vol. XVII.
Ravenswood	Joe Rubin	Rhoda Ott #1 (G.H. Ott, heirs #1)	5028	41	95 5028	Dor	described in W.Va. Geol. Surv. vol. XVII.
Ripley	Potter Development Co.	W.T. Chaney #1 (Chancey #1)	5000	38	100 4995	Dh	
KANAWHA							
Elk	Hand & Smith	Mathony & Wertz #1	5620	36	1015 5619	Sl	
Loudon	United Fuel Gas	Black Band Coal & Coke Co. #4067	4635	30	1248 4630	Dor	
McDOWELL							
Big Creek	Penn-Ohio Gas Co.	Pochohtas Coal & Coke Co. #1	6639	33	80 6627	Dor	

WELL DATA					SAMPLE DATA			
STATE COUNTY Township	Operator	Farm Name	Total Depth	C o m p l e t e d	Depth Interval		Deepest Formation	Remarks, Published Descriptions, Etc.
					From	To		
WEST VIRGINIA PENDLETON ?	?	Neil Harper #1	?	?	1966	3002	?	
PRESTON Portland	Wm.E.Snee, et al	Cuppett #1	8940	48	18	8940	Og	
PUTNAM Curry	United Fuel Gas #4121	F.J.Rogers #1	5080	16	2470	5053	Sl	
RANDOLPH New Interest	Snee & Jaquith & Potter Develop- ment	Andrews Hart- man #1	4480	32	0	4480	Sa	
TAYLOR ?	Pittsburgh & W.Va. Nat. Gas Co.	J.L.Abel #1	?	?	504	3727	?	
TUCER Dry Fork	Ohio Oil Co.	Kuy Kendall #1	8410	46	10	8403	Dh	
UPSHUR Warren	Columbian Carbon	McFlinn Bennett #1	?	?	795	6968	?	gamma ray - temp. log 3800-4211
WIRT Burning Springs	Carnegie Nat. Gas	W.C.Watterson #1	4895	37	128	4038?	Dor	described by Warters - W.Va. Geol.Surv. vol. XVII.
Tucker	Carnegie Nat.Gas	W.O.Caplinger #1	5518	38	398	5518	Ss	
WOOD Harris	Potter Develop- ment Co.	W.H.Orem #1	5896	39	280	5896	Og	

GEOPHYSICAL LOGS OF PENNSYLVANIA

GEOPHYSICAL LOGS

COUNTY Quadrangle & No.	Farm Name	Total Depth	Gamma-ray Log, Geologic Interval	Neutron Log	Other Logs
ARMSTRONG Elders Ridge 35	Margaret Ruppert #1	7166	6800-7162 (Dhm-Dh)		laterolog 6800-7162, microlaterolog 6800-7164
BEDFORD Bedford 1	Jessie B. Miller #1	8979	0-7843 (Dor-Ot)		temp. log 0-7843
Bedford 2	Hillegas #1	4226	0-4226 (Dhm-Srh?)		
Clearville 1	Miller #1	5300	60-5217 (Dun-Dor)	60-5217	temp. log 4200-5217 section gauge 4150-5217
Clearville 2	Ruie Rice #1	5334	0-5143 (Dun-Dhm)		
BRADFORD Powell 1	Harold B. French #1	4673	0-4673 (Dun-Dor?)		
CAMERON Driftwood 21	Thos.H.Murray Est. #1	6094	0-5734 (Dun-Dhm?)		section gauge 750-5734
Driftwood 26	Caldwell #1	5887	5010-5887 (Dun-Dh?)		electric log 590-5887
Driftwood 41	Pa. RR. #1	5882	0-5875 (Dun-Dh?)		electric log 600-5875
Driftwood 47	H.A.Moate #1	6143			Electric log 610-6142 (Dun-Dor) microlog 6040-6142
Driftwood 49	Bear Paw Rod & Gun Club #1	5875			electric log 525-5884 (Dun-Dor)
Driftwood 52	McMillen Est.#1	5827	4900-5806		electric log 590-5820 (Dun-Dh?)
Driftwood 60	Pa. Tract D #1	6529	5500-6529 (Dun-Dor)		

GEOPHYSICAL LOGS

COUNTY Quadrangle & No.	Farm Name	Total Depth	Gamma-ray Log, Geologic Interval	Neutron Log	Other Logs
Driftwood 61	Pa. Tract D #2	7442			electric log 6000-7442 (Dun-Dor)
Driftwood 73	Hevner Est. #1	6983	6000-6895 (Dun-Dhm)		temp. log 5900-6895
Karthaus 1	Pa. Tract D #1	7594			electric log 518-7583
Renova West 10	Pa. Tract 1 #1	6688	0-6610 (Dun-Don)		
CENTRE Bellefonte 1	Pa. State Game Lands #1	6885	1700-2340 5000-6464 (Dun-Dhm)		temp. log 1700-2340
CLEARFIELD Clearfield 29	Pa. Tract 40 #1	6928	6000-6931 (Dun-Dh)		temp. log 6000-6931
Clearfield 32	Pa. Tract 40 #2	7146	1100-7147 (Dun-Dh)		temp. log 6700-7147
Clearfield 33	Pa. Tract 69 #1	7011	1200-7010 (Dun-Dh)		temp. log 6450-7010
Clearfield 36	Shirey #1	7862	10-7862 (Pp-Dh)		temp. log 6700-7862
Penfield 1	Pa. Tract C #1	7094	0-7094 (Pp-Dor)		temp. & section gauge log 7000-7094
Penfield 2	Pa. Tract C #2	7232	1115-7232 (Dun-Dh)		
Penfield 3	O.W.McNaul #1	7383	20-7379 (Pp-Dh)		temp. log 0-4739, 7200-7379; caliper log 5120-5315, 7140-7379
Penfield 6	Eva Moore #1	7236	7075-7188 (Dhm-Don)		temp. log 7075-7188
Penfield 7	S.M.Bailey #1	7144	7000-7144 (Dhm-Dh?)		temp. log 7000-7144

GEOPHYSICAL LOGS

COUNTY Quadrangle & No.	Farm Name	Total Depth	Gamma-ray Log, Geologic Interval	Neutron Log	Other Logs
Penfield 9	Gertrude Kirk #1	7074	6900-7074 (Dhm-Dh?)	7200-7367	temp. log 6900-7074
Penfield 29	Pa.Tract 63 #1	7367	0-7367 (Pc-Dh?)		temp. log 7120-7367
Penfield 69	Glenn W.Holly #1	7569	1100-7569 (Dun-Dh)		temp. log 7000-7569
Penfield 79	W.F.Shaw #1	7158	1170-7158 (Dun-Dh)		temp. log 6275-7158
Penfield 85	H. Larock #1	7285	1200-7284 Dun-Dh)		temp. log 6455-7284
Penfield 90	Green Glen Corp. #1	7168	1000-7168 (Dun-Dh)		temp. log 5985-7168
Penfield 94	D.W.Conrad #1	7191	1200-7194 (Dun-Dh)		temp. log 5680-7194
Purxsutawney 14	John C. Kann #1	7554	7400-7572 (Dhm-Dh)		temp. log 7400-7572
CLINTON					
Renova East 5	Frank Harmon #1	6578	0-6578 (Mmc-Dor)		
Renova West 8	C.R.Swartz #1	6539	0-6497 (Dun?-Don)		
Renova West 12	U.S.Lumber Co. #1	6204	0-6202 (Dck-Dor)		
Renova West 20	M. Calhoun #1	5690?	0-5677 (Dck-Don)		
Renova West 34	C. H. Summerson #1	5686	0-5676 (Dun-Don)		
Renova West 37	D. Calhoun #4	6212	0-6179 (Dck-Don)		
Renova West 38	E.Daugherty #1	6360	0-6327 (Dck-Don)		
Renova West 45	Pa. Tract 2 #1	6407	0-6375 (Dck-Dor?)		
Renova West 81	U.S.Lumber Co. #2	6213	5000-6206 (Dun-Dor?)		

GEOPHYSICAL LOGS

COUNTY Quadrangle & No.	Farm Name	Total Depth	Gamma-ray Log, Geologic Interval	Neutron Log	Other Logs
Renova West 83	A. Kelly #1	6267	0-6247 (Dck-Don)		
Renova West 84	L. Kunkle #1	6327	0-6314 (Dck-Dor)		
Renova West 91	Pa. Tract 6 #1	6104	0-6074 (Dck-Don)		
Renova West 107	Simpson #1	6755	0-6600 (Pp-Dun)		
Renova West 122	Hedgeland #1	6022	0-5340 (Dck-Dhm)		section gauge 740-5340
Renova West 158	W.E. Joseph #2	6757	0-6721 (Dck?-Don)		
Renova West 167	Pa. Tract 6 #8	6881	0-6886 (Dun-Dh?)		
Renova West 168	Pa. Tract 6 #9	7171			electric log 260-7165 (Dck?-Dh)
Renova West 195	Pa. Tract 14 #10	7071	6760-7062 (Dhm-Dh)		temp. log 6760-7062
Snowshoe 2	Pa. Tract E #1	7942	0-7938 (Pp-Dh)		
COLUMBIA Catawissa 1	Knarr #1	7445	0-7008 (Dck-Stw)	0-7008	
CRAWFORD Cambridge Springs 5	Griffith #2	3060	2060-3060 (Dun-Scb)		
Girard 24	H. Rippert #1	3690	3450-3600 (Sc-Sa)		
Girard 26	H. Wigand #1	3853	3350-3745 (Sl-Sa)	3350-3745	temp. log 3350-3745
Girard 27	Shade Land #1	3565	2000-3531 (Dhm-Sa)	2000-3531	
Linesville 13	Ed Mullen #1	4742	4200-4742 (Sl-Oq)	4200-4742	
ELK Benezette 76	Pa. Tract 30 #2	6977	0-6973 (Pp-Dh?)		microlog 6934-6973

GEOPHYSICAL LOGS

COUNTY Quadrangle & No.	Farm Name	Total Depth	Gamma-ray Log, Geologic Interval	Neutron Log	Other Logs
Benezette 179	Pa. Tract 26 #12	6918	0-6902 (Pp-Dor?)		temp. log 6765-6902
Benezette 171	Pa. Tract 26 #3	6390	0-6366 (Mp-Dor)		temp. log 4850-6366
Benezette 172	Pa. Tract 26 #4	6291	0-6291 (Mp?-Dor)		temp. log 5995-6291, section gauge 6160-6291
Penfield 11	Logan L. Bond #1	6790	0-6796 (Pp?-Don)		temp. log 0-6796 caliper log 6300-6796
ERIE					
Corry 8	H.C. Follette #1	4499	4040-4489 (Sl- Sa)		temp. log 4000-4489, caliper log 4300-4489
Corry 14	Edith Adams #1	4481	3970-4480 (Sl-Cq)		temp. log 3980-4480
Corry 23	L. Proctor #1	4374	3700-4374 (Ss-Cq)		temp. log 3700-4374
Corry 24	L.I. Sill #1	4336	2600-3800 (Dun-Ss)		
Erie 62	Goodwill- Curley #1	6015	2050-3506 (Dhm-Oq)		temp. log 2050-3506
Northeast 18	M.K. Bonney #1	2849	2400-2848 (Dhm-Ss)	2400-2848	
Northeast 20	Pa. State Game Lands #1	3583	2200-3583 (Dhm-Oq)	2200-3583	
FAYETTE					
Connellsville 3	F.K. Buttermore Heirs #1	9261	0-9240 (Pp-Dh?)		electric log 1700-9241
Donegal 6	A. Dupree #1	8477			electric log 660-8065 (Dun?-Dhm)
Uniontown 31	W.R. Barton #8	10,312	0-9550 (Mmc-Ss)		
INDIANA					
Barnesboro 1	L. Mitchell #1	8199			electric log 692-8195 (? - Dh?)

GEOPHYSICAL LOGS

COUNTY Quadrangle & No.	Farm Name	Total Depth	Gamma-ray Log, Geologic Interval	Neutron Log	Other Logs
Barnesboro 4	M.J.Shankel #1	8343	7280-8265		electric log 822-8317 (Dun?-Dh?)
Barnesboro 5	Jess Ober #1	8506	0-8506 (Pc-Dh?)	0-8506	temp. log 8050-8506
Elders Ridge 1	F. Boden #1	7566	0-7566 (Pa- Dh)	6980-7566	temp. log 6650-7566
Elders Ridge 2	E. Carney #1	7585	1000-7595 (Dun-Dh)		
Elders Ridge 3	G.L.Stewart- R. & P.Coal #1	7489?	1090-7498 (Dun-Dh)		temp. log 7330-7498, section gauge 1090-7498
Elders Ridge 5	R. & P. Coal #2	7711	6420-7711 (-Dh)		temp. log 6970-7711
Elders Ridge 6	F. Boden #1B	7381	6450-7379 (Dun-Dh)	6600-7379	temp. log 6450-7379, tracer 7180-7365
Elders Ridge 13	R. & P. Coal #4	7824	6700-7824 (Dun-Dh)		temp. log 6700-7824, caliper log 7300-7824
Elders Ridge 16	Wm. George #2	7736	5-7723 (Pa?-Dor)		temp. log 6490-7723
Elders Ridge 18	Wm. George #1	8105	0-8106 (Pa-Dh)	7400-8106	temp. log 7400-8106
Elders Ridge 21	R. & P.Coal #3	7411	1000-7413 (Dun-Dh)		temp. log 7100-7413
Elders Ridge 22	F. Boden #2B	7500	5-7337 (Pa?-Don)		temp. log 5-7337
Elders Ridge 23	DeVinney #1	7783	1000-7773 (Dun-Dor)	1000-7773	temp. log 1000-7773, inclinometer log 5000-5675
Elders Ridge 26	R.& P.Coal #5	7768	1150-7783? (Dun-Dh)	1150-3210	temp. log 6995-7783, section gauge 1225-1820 3060-3160

GEOPHYSICAL LOGS					
COUNTY Quadrangle & No.	Farm Name	Total Depth	Gamma-ray Log, Geologic Interval	Neutron Log	Other Logs
Indiana 2	S. Yosurack #1	7802	100-7804 (Pc?-Dh)	100-7804	
Indiana 3	F. Musser #1	7905	1000-7906 (Dun-Dh)	1190-7906	temp. log 1000-7906
Indiana 4	S.C Streams #1	7740	2500-3535 (Dun-Dun)		temp. log 975-3500
New Florence 7	S.Hutchinson #1	8388	7295-8386 (Dun-Dh)	7800-8386	temp. log 7270-8386
JEFFERSON Punxsutawney 26	F.M.Sheesley #2	7460	1000-3500 (Dun-Dun)		temp. log 1000-3500
LYCOMING Antrim 8	B.Schneider #1	6642	0-6638 (Dck-Dh)		
Warrensville 1	Ambrose Ging #1	8118	80-7337 (Dck-Stw?)		microlog 6235-7337
McKEAN Bradford 2	L.D.Wilson #18	8002	16-5260 (Dun-Ss)		electric log 4650-7944 (Don-Or)
Kinzua 10	West Branch #AW4	4719	0-4719 (Mp-Dh?)		electric log 345-2499
MERCER Shenango 5	Emma McKnight #1	8210	50-8210 (Mp-Cw)	50-8210	electric log 4393-8210. microlog 7350-8210
PIKE Milford 1	Walter Hess #1	7570	40-7563 (Dck-Dh)	40-7563	
POTTER Coudersport 7	F.C. & A. Dickerson #1	4980	0-4951 (Dun-Don)		section gauge 4582-4951
Driftwood 15	Pa.Tract 11 #1	5552	5400-5550 (Dhm-Dh?)		temp. log 5000-5550
Galeton 30	Pa.Tract 82 #1	7100	0-7086 (Pp?-Dh)	6000-7095	

GEOPHYSICAL LOGS

COUNTY Quadrangle & No.	Farm Name	Total Depth	Gamma-ray Log, Geologic Interval	Neutron Log	Other Logs
Renova East 14	Pa.Tract 45 #5	6737	5800-6748 (Dun-Dor)		temp. log 5800-6748
SOMERSET Donegal 18	Pa.Tract 75 #1	7936	100-7924 (Mp-Dun)	100-7924	
Grantsville 1	Milton E. Bender #1	8571	0-8575 (Pp-Dh?)	0-8575	microlaterlog 8430-8574, laterolog 8330-8564 temp. log 7700-8432
Meyersdale 1	Pa.Tract 64 #1	9198	235-9197 (Pp?-Dh)	235-9197	caliper log 900-9197
Somerset 5	C.E.Williams #1	8152	80-8043 (Mp-Don)	80-8043	
Somerset 6	C.E.Williams #2	8260	80-8260 (Mp-Dh?)	80-8260	
Somerset 7	Royal Rhoads #1	8450	50-8260 (Pa-Don)	50-8260	
Somerset 8	C.E.Williams #3	8196	50-8099 (Mp-Don)	50-8099	
Somerset 9	M.H.Critchfield #1	8540	50-8410 (Pa?-Don)	50-8410	
WILLIAMSON Eagles Mere 1	A.W.Bennett #1	12,343			electric log 50-12,317, (Dck-Oj) laterolog 2830-12,310
LOGAN Elkland 11	E.J.Hall #1	4142	50-4128 (Dun-Dor?)		section gauge 400-4128
Elkland 15	L.R.Manning #1	4103	0-4103 (Dun-Dor?)		temp. log 460-1320
Gaines 39	C.D.Ackley #1	4505	0-4511 (Dun-Dh)		
Tioga 77	Lewis Treat #1	4006	130-3995 (Dun-Dor)		

GEOPHYSICAL LOGS

COUNTY Quadrangle & No.	Farm Name	Total Depth	Gamma-ray Log, Geologic Interval	Neutron Log	Other Logs
Troy 4	D. Allen #1	4330	3100-4316 (Dun-Dor)	3100-4330	
UNION Sunbury 1	Solomon #1	8002	25-8002 (St-Ob)		
WARREN Tidioute 2	J.B. Proper #1	6004	0-6004 (Mp-Oq)		caliper log 4800-5000
Tidioute 3	Shaw #1		4100-9398 (Dun-Cg)	4100-9398	temp. log 4100-9398
WESTMORELAND Donegal 5	A.W. Kintz #1	8555	0-8360 (Pa-Dun)		
Donegal 7	F. Musnug #2	8773	0-8568 (Pa-Don)	30-8568	
Donegal 8	J.G. Mailey #1	7478	70-7478 (Mmc-Don)	70-7478	
Donegal 11	B.H. Smithley #1	7539	6300-7374 (Dun-Don)	6300-7374	
Donegal 12	Benedictine Society #1	7465	7200-7461 (Dhm-Dor)	7200-7461	temp. log 7200-7461
Donegal 19	M.A. Meyers #1	7708	4090-7630 (Dun-Don)	4090-7630	
Donegal 20	J.S. Blair #1	7831	90-7582 (Pp-Dhm)	90-7582	
Donegal 22	J.S. Blair #2	7384	160-7210 (Mp-Don)	160-7210	
Latrobe 7	J.A. Mills #1	8256	50-8236 (Pc-Dh?)		electric log 1839-8251

GEOPHYSICAL LOGS FROM BORDERING STATES

GEOPHYSICAL LOGS

STATE COUNTY Township	Farm Name	Total Depth	Gamma-ray Log, Geologic Interval	Neutron Log	Other Logs
NEW YORK					
ALLEGANY Wirt	Gilbert #1	6250	0-4169 (Dun-Dhm)		temp. log 3870-4169, section gauge 4000-4169
CATTARAUGUS Carrollton	C.McGavern	3947	3000-3844 (Dun-Don)		electric log 3700-3947, temp. log 3300-3947
Olean	Quinlan #1	4296	3700-4309 (Dun-Dh)	4000-4309	caliper log 4000-4309
Red House	Wixon Lot 12	4079	100-4046 (Dun-Dor)		
CHAUTAUQUA Harmony	Kyle Morse #1	7100	4000-7081 (Sc-Cg)		caliper log 3900-7081, temp. log 3900-7081
CHEMUNG Van Etten	E.C.Kesselring #1	11,145	0-11053 (Dun-Cg)		
CHEMANGO Columbus	C.C.Lobdell #1	5701	0-5637 (Dhm-FC)		temp. log 0-5637
ONTARIO Bristol	Darby #1	3060	2400-3057 (Ss-Oq)	2400-3057	
Bristol	Fox #1		2300-2922 (Ss-Sa?)	2300-2922	
Bristol	E.Pestle #1	2995	2350-2970 (Ss-Sa)	2350-2970	
Bristol	G.Pestle #1	2970	2300-2935 (Ss-Sa)	2300-2935	
Bristol	Clyde Ralsin #1	2745	0-2745 (Dun-Oq)		temp.log 2500-2745

GEOPHYSICAL LOGS

STATE COUNTY Township	Farm Name	Total Depth	Gamma-ray Log, Geologic Interval	Neutron Log	Other Logs
Bristol	Weber #1	2759	2150-2758 (Ss-Sa)		
Richmond	Cruger #1	2712	2100-2699 (Ss-Sa?)	2100-2699	
Richmond	Podsiki #1	2657	2000-2656 (Ss-Sa?)	2000-2657	
SCHUYLER Tyrone	Best #H-122	1837	40-1828 (Dun-Dh?)	40-1828	
Tyrone	Best #1551-H 508-7	1830	60-1829 (Dun-Dh?)	60-1830	
Tyrone	Dencenberg #60	1804	0-1801 (Dun-Dh?)	0-1801	
Tyrone	Galek #1	2117	20-2116 (Dun-Dh?)		caliper log 2010-2116
Tyrone	Glen #H-113	2165	20-2165 (Dun-Dor)		
Tyrone	Malloy #H-110	1965	1883-1965 (Don-Dh?)		caliper log 1850-1965
Tyrone	Millis #H-115	1728	1640-1728 (Dhm-Dh?)		caliper log 1640-1730
Tyrone	Harry Pulver #1	2082?			section gauge 270-1919
Tyrone	Salamandra #H-109	2197	10-2197 (Dun-Dh?)		
Tyrone	C.B.Travis #73	2056	0-2054 (Dun-Dor)		temp. log 1310-2054, section gauge 1250-2051
Tyrone	Vaughn #H-121	1863	0-1862 (Dun-Dor)		section gauge 330-1861
Tyrone	Waddell #H-111	2117	10-2113 (Dun-Dor)		temp. log 1155-2113

GEOPHYSICAL LOGS

STATE COUNTY Township	Farm Name	Total Depth	Gamma-ray Log, Geologic Interval	Neutron Log	Other Logs
STEUBEN Greenwood	L.D.Clark #2	4768	0-4768 (Dun?-Dor)	0-4768	
Greenwood	State Game Lands #2	4840	0-4839 (Dun?-Dor)		section gauge 4600-4839
Tuscarora	B & L. McCarthy #289	3955	0-3955 (Dun-Dor)		
Woodhull	Robert Olin #1	13,500	4000-13500 (Dhm-Cw)	4000-13,500	laterolog 6520-12,640 temp. log 90-13,500 Microlaterolog 6500-13,500 directional log
ULSTER Shandaken	Amasa Herdman #1		100-6361 (Dun?-Ord.)	100-6361	
OHIO ASHTABULA Monroe	Fox #1	3420	0-3420 (Dun-Oq)	0-3420	temp. log 3275-3420
Monroe	Murtha #1	3500	1900-3492 (Dhm-Sa)	1900-3492	temp. log 3100-3492
Monroe	John Oroszy #1	3505	1920-3490 (Dhm-Sa)	3090-3490	laterolog 1920-3460, microlaterolog 1890-3458
Monroe	A. Puska #1	3188	2975-3188 (Sc-Sa)		temp. log 3000-3188
Monroe	Scribner #1	3434	1800-3411 (Dhm-Sa)	1800-3411	temp. log 1800-3411
Monroe	C. Tinker #1	3026	2800-3036 (Sc-Sa)		temp. log 2800-3036
Saybrook	Wild #1	2781	650-2781 (Dun-Sa)	650-2781	temp. log 2400-2781

GEOPHYSICAL LOGS

STATE COUNTY Township	Farm Name	Total Depth	Gamma-ray Log, Geologic Interval	Neutron Log	Other Logs
COLUMBIANA Salem	Halverstadt #1	6200	0-6192 (Pa?-Sa)		induction log 5700-6188, section gauge 5700-6189
HOCKING Washington?	Brimner #1	2996	60-2996 (Pp?-Sa)	60-2996	
LAKE Concord	Diamond Alkali #204	2566	50-2566 (Dun-Sl)	50-2566	
Painesville	Morton Salt #4	2100	20-2100 (Dun-Ss)		temp. log 1400-1600
Painesville	Morton Salt #7	2100	0-2100 (Dun-Ss)		laterolog 200-2100
Perry	Diamond Alkali #202	2475	0-2120 (Dun-Ss)		
PORTAGE Ravenna	Drumheller #1	4358	2190-4353 (Dhm-Oq)	2190-4353	
Rootstown	Drotar #1	4360	80-4358 (Pp?-Sa)		temp. log 3300-4358, induction log 2770-4360
STARK Lake	M. Coblentz #1	4562	2480-4579 (Dhm-Oq)	2480-4579	
Lake	Yoder Comm. #1	4545	2070-4549 (Dhm-Oq)	2070-4549	
Paris	Czekomski #1	5383	0-5376 (Dun-Oq?)		temp. log 4500-5376
Perry	Stark Co. Comm. #2	4380	3620-4380 (Ss-Oq)	3620-4380	
SUMMIT Franklin	H. & F. Cox #2	3972	80-3961 (Dun-Sa?)	80-3961	
TUSCARAWAS Sandy	George Sattler #1	4920	80-4919 (Dun-Sa?)	80-4919	

GEOPHYSICAL LOGS

STATE COUNTY Township	Farm Name	Total Depth	Gamma-ray Log, Geologic Interval	Neutron Log	Other Logs
WAYNE	Baker #1	3578	0-3540 (- Sa)	0-3540	
Milton	H.L.Miller #1	3385	70-3390 (Dun?-Sa)	70-3390	
WEST VIRGINIA MONONGALIA Morgan	M.A.Pixler #1	7391	60-6606 (-Dhm)	60-6615	
PENDLETON	U.S.A. B-1 #1203	6450?	5000-6449 (Dun?-Dor?)		laterolog 6250-6441
PRESTON Portland	J.T.Calhoun #513	5520	0-5507 (-Dor)		
Portland	Creamer & Burrow #477	5650	0-5641 (-Dor)		temp. log 5290-5641, section gauge 5240-5641
Portland	Lola Phillips #1	5501	0-5501 (-Dor)		temp. log 0-5501, section gauge 5090-5501
Portland ?	E. & A.E. Whitehair #479	5327	0-5320 (-Don)		section gauge 3390-5315
Union	W.T.Beatty #1	4763	3150-4759 (Dun-Dor)		temp. log 4400-4759, section gauge 4410-4759
Union	W.T.Beatty #2	5060	0-5042 (-Dor)		temp. log 4680-5042, section gauge 4625-5042
Union	H.E.Bucklew #497	5353	0-5341 (-Dh)		temp. log 4880-5341, section gauge 4840-5341
Union	L. B. Burger	5040	3300-4981 (Dun-Dor?)		

GEOPHYSICAL LOGS

STATE COUNTY Township	Farm Name	Total Depth	Gamma-ray Log, Geologic Interval	Neutron Log	Other Logs
PRESTON Union	B.V.Cramer #529	5440	0-5439 (-Dh)		temp. log 4050-5439
Union	George Creamer #493	5032	0-5027 (-Dor)		temp. log & section gauge 4700-5027
Union	W.H.Hairman #483	5622	0-5617 (-Dor)		section gauge 5240-5617
Union	Haught #501	4768	0-4757 (-Dor)		temp. log 4480-4757, section gauge 4385-4757
Union	C. Jones #2	5267	0-5254 (-Dh)		temp. log & section gauge 4900-5254
Union	G.W.Nine #528	5085	0-5085 (-Dor)		temp. log 4400-5085
Union	W.E.Nine #488	5233	0-5227 (-Dh?)		temp. log 4790-5227, section gauge 4750-5227
Union	Edith Shaffer #511	5867	0-5860 (-Dor)		temp. log 5550-5860
Union	Dessie Taylor #512	5354	0-5342 (-Dor?)		temp. log 4950-5342
Union	Lloyd E. Taylor #494	5579	0-5574 (-Dor)		temp. log 5200-5574, section gauge 5150-5574
?	Robert Breedlove #1	5000	0-4990 (-Dor)		temp. log 4600-4990
RANDOLPH Dry Fork	D.H.Hill Arnold	5008	0-4846 (-Dor)		temp. log 3500-4846, section gauge 4500-4846
TUCKER ?	U.S.A. #C-1	3550	1890-3550 (Dun-Dor)		temp. log 3284-3550

GEOPHYSICAL LOGS

STATE COUNTY Township	Farm Name	Total Depth	Gamma-ray Log, Geologic Interval	Neutron Log	Other Logs
UPSHUR Warren	I. Mifflin Bennett #1		3800-4211 (Dun-Dun)		temp. log 3800-4211
WOOD Walker	Power Oil #9634	13,331	60-12,330 (Pp-Cg)	4040-12,330	electric log 4062-13,331
MARYLAND GARRETT Accident	C. Bowser #1	7805	0-7520 (Dun-Don)		
Accident	Ella Collier #1	7255	0-6974 (Dun-Don)		
Accident	Ford Fike #1	7790	0-7623 (Dun?-Dor)		
Accident	H. Georg #1	7884	0-7880 (Dun-Don)		
Accident	Herman & Hanlin #1	7175	0-7041 (Dun-Don)		
Accident	Earl Knox #1	7728	0-7476 (Dun?-Don)		
Accident	McCullough #1	7218	0-7190 (Dun-Dor)		
Accident	Barbara Miller #1	7042	0-6870 (Dun-Don)		
Accident	John Miller	7451	0-7067 (Dun-Don)		
Accident	Mitchell Rush #1	7237	50-6968 (Dun-Don)		
Avilton	Will Robeson #1	5002	4800-4990 (Dhm-Dor)		induction log 4875-4985
District 16	C.P. Martin #1	4089	3510-4004 (Dhm-Dh?)		induction log 3518-4000
Mt. Lake Park	John K. Shaw #2	7162	0-7097 (Dun-St?)		section gauge 3700-7097 directional log
Precinct #2	Artie Dodge #2	3986	2350-3975 (Dun-Dor)		temp. log 3150-3975
Precinct #2	James F. Hamilton #2	4191	2500-4091 (Dun-Dor)		temp. log 3780-4091